

ADDENDUM NO. 3

PROJECT NAME: City Wide Bridge Program – East Commerce and East Commerce (North Rio Grande and East Houston)

DATE: February 2, 2015

ADDENDUM NO. 3

This addendum should be included in and be considered part of the plans and specifications for the name of the project. The contractor shall be required to sign an acknowledgement of the receipt of this addendum and submit with their bid.

TCI PROJECT NO.: 40-00294B & 40-00302

Addendum No. 3 is issued to notify, add, revise and replace the following:

- 1) Pre-Bid Conference Meeting Minutes and Sign-In Sheet**
 - a. A copy of the Pre-Bid Conference Meeting Minutes held on January 26, 2015, and the sign-in sheet is included in this addendum.
- 2) Amendment to General Conditions for City of San Antonio Construction Contracts**
 - a. Amendment to General Conditions for City of San Antonio Construction Contracts is included in this addendum.
- 3) Form 060 Supplemental Conditions**
 - a. Form 060 Supplemental Conditions is included in this addendum.
- 4) 025 Unit Pricing Form has been changed. Substitute and utilize the 025 UNIT PRICING FORM attached, as revised by Addendum No. 3.**
 - a. SAWS E. Commerce Road Package B Sanitary Sewer – Base Bid:
Item 852.4, Description Changed to add size of doghouse manhole to 6'
 - b. SAWS E. Commerce Road Package B Water – Base Bid:
Item 814 – Ductile Iron Pipe has been added
Item 818 – 8" PVC quantity has been changed
 - c. COSA E. Commerce Package B Sidewalk – Base Bid:
Item 107.1 – Embankment Type revised to Type B
- 5) Plans - Replace the following Plan Sheets:**
 - a. Delete Sheet 3 in the CoSA-TCI Project No. 40-00302 Plans and replace with the attached Sheet 3.

- b. Delete Sheet 114 in the CoSA-TCI Project No. 40-00302 Plans and replace with the attached Sheet 114.
- c. Delete Sheet 2 in the SAWS Job No. 12-5089 Water Plans and replace with the attached Sheet 2. The quantities have been updated and are shown in the summary table.
- d. Delete Sheet 4 in the SAWS Job No. 12-5089 Water Plans and replace with the attached Sheet 4. The quantities have been updated and are shown in the quantity table.
- e. Delete Sheet 2 in the SAWS Job No. 12-5589 Sanitary Sewer Plans and replace with the attached Sheet 2. The quantities have been updated and are shown on the summary table
- f. Delete Sheet 13 in the SAWS Job No. 12-5589 Sanitary sewer plans and replace with attached Sheet 13. The quantities have been updated and are shown in the quantity table.

6) Questions and Clarifications:

1. CPS Energy Exhibit GAS-1 Section 1.A Paragraph 1:
Will the Contractor be required to submit qualifications with the Bid Proposal?
If so, will a form be provided to include in the Bid Package?
 - i. *A form will not be provided. Typically the contractors that bid on CPS work provide a list of their qualified personnel. This job will require qualified welders and fusers. If it is a new contractor that has not previously performed work for CPS, they will be required to qualify their personnel.*
2. Will Railroad Insurance be required?
 - i. *Yes, per the Pipeline Crossing Agreement in the specifications, insurance will be required for the 36-inch storm sewer, 8-inch water line and 8-inch gas line work proposed under the railroad bridge on E. Commerce. In addition, there are proposed sidewalks, sidewalk railing, curbs, concrete riprap and street work within the railroad ROW that must be covered.*
3. In order to get a quote for RR Insurance please provide the \$ amount of the project within 50 ft. of Centerline of the Track. Also provide the number of trains, type and number of switching movements.
 - i. *The work within 50 feet of the centerline of the track is clearly shown on the plans and includes sidewalk, sidewalk railing, curbs, concrete riprap and street work. Also included within 50 feet of the centerline of the track is the 36-inch storm sewer, 8-inch water line and 8-inch gas line work. As each*

contractor prepares their bid, they will need to use their unit prices to come up with the cost of the improvements within 50 feet of the centerline of the track.

- ii. Per Jason Pederson of UPRR, the average number of trains in a 24-hour period is 30. The type of cargo on the trains will include, Amtrak, sand, coal, rock, manifest, auto and chemical. The number of switching movements on the track is zero.*
- 4. CPS Energy GAS-2 page 2 of 17 in Para. 4 "Material provided by CPS" and GAS-4 Will CPS Energy provide material for the Contractor to install? If so, what material will the Contractor have to provide with his Bid Price?
 - i. All gas materials will be provided by CPS Energy (i.e. Pipe, fitting, service risers, pipeline markers, CBTLBs, anodes, valves, etc). Non-gas materials that the contractor will be required to supply are as follows: Bedding material (sand), concrete, flowable fill, asphalt, base, landscaping, back fill, etc.*
- 5. Will Domestic materials be required for all the SAWS Water and Sanitary Sewer installations?
 - i. Domestic materials will not be required.*
- 6. Is there any specific PI for the embankment material?
 - i. PI is not specified but material must meet the density compaction per COSA specification 107. In addition, the embankment type for both projects will be (Final)(Density Controlled)(TY B).*
- 7. With regards to the bid item 205.2 HMAC TY B 4", where is the asphalt located? The summary on sheet 19 of 112 indicates the need for this item, but it is not shown on the typical sections, etc.
 - i. It is called out on sheet 13 of 112 of CWB Program Project 40-00294B, TRAFFIC CONTROL PLAN, Sheet (TC02) stating to "See hike and bike sheet for pay".*
- 8. The 42" Sanitary Sewer (Existing) is calling for a 4' Doghouse manhole. Will this be sufficient? We are thinking a 6' one at minimum will be required.
 - i. The 4 ft Doghouse Manhole has been revised to a 6 ft Doghouse Manhole, see revised plan sheet included.*


7) Addendum Acknowledgement Form:

- a. Attached is the Addendum Acknowledgement Form. Please fill out and sign the form and include with the bid package to acknowledge receipt of addenda.

ATTACHMENTS

- Pre-Bid Meeting Minutes (7 Pages)
- Sign-In Sheet (2 Pages)
- Amendment to General Conditions (1 Page)
- Form 060 Supplemental Conditions (2 Pages)
- Revised 025 Unit Pricing Form (10 Pages)
- Revised CoSA-TCI Plan Sheets (2 Pages)
- Revised SAWS Water Plan Sheets (2 Pages)
- Revised SAWS Sanitary Sewer Sheets (2 Pages)
- Addendum Acknowledgement Form (1 Page)




Lori Dullnig-Warlen, P.E.
Bain Medina Bain, Inc.
Firm Registration No. F-001712

2/4/15
DATE

END OF ADDENDUM 3



Note: Addenda Acknowledgement Form for Addendum 3 is attached herein. This form must be signed and submitted with the bid package.

RECEIPT OF ADDENDUM NUMBER 3 IS HEREBY ACKNOWLEDGED FOR PLANS AND SPECIFICATIONS FOR CONSTRUCTION OF City Wide Bridge Program – East Commerce and East Commerce (North Rio Grande and East Houston)

FOR WHICH BIDS WILL BE OPENED ON **TUESDAY, FEBRUARY 10, 2015 AT 2:00 P.M.**

THIS ACKNOWLEDGEMENT MUST BE SIGNED AND RETURNED WITH THE BID PACKAGE.

Company Name: _____

Address: _____

City/State/Zip Code: _____

Date: _____

Signature

Print Name/Title



**CITY OF SAN ANTONIO
DEPARTMENT OF TRANSPORTATION AND CAPITAL IMPROVEMENTS**

MEETING MINUTES

PROJECT TITLE:	E. Commerce City Wide Bridge Program 40-294B E. Commerce (N. Rio Grande to E. Houston) 40-302	DATE/TIME:	January 26, 2015 / 2pm
CONSULTANT:	Bain Medina Bain, Inc. (BMB)	LOCATION:	CoSA-5 th Floor
SUBJECT:	Pre-Bid Meeting		
ATTENDEES:	See Attached List		
PREPARED BY:	CD		
PREPARED & SUBMITTED ON:	February 02, 2015		

TBPE Registered Firm Engineering Number: F-1712 TBPLS Firm Surveying Number: 10020900

General Discussion/Action Items:

Topics of Discussion

E. Commerce City Wide Bridge Program – E. Commerce 40-294 B

& E. Commerce Sidewalks N. Rio Grande to E. Houston Contract Information:

- Contract Documents found in the City Website. Required forms: 010, 025 Addendum on website, turn in SBEDA Utilization Plan and all Addenda acknowledgements. Original signature required on certain forms that are to be submitted.
- Deadline to submit bid is the Bid Opening date scheduled for February 10th @ 2:00 PM.
- Low-bid solicitation project.
- Estimated Construction Cost for bridge replacement project is \$3,054,085.39. Sidewalk Drainage project is \$5,895,000.00.
- Contract time period is 360 calendar days but there is an incentive for the bridge portion of work

Any questions on bid should be asked in writing either to the City or to the Consultant on or before Friday, January 30th by 4pm. Respondents are prohibited from communication with the city staff and city officials regarding solicitations with the exception of contacting David Rios with any questions regarding eligibility requirements.

Presentations by:

- David Rios (COSA/CIMS) – SBEDA Requirements:

MEETING MINUTES (CONTINUED)

- A 16% MWBE goal, that's a minority woman owned business goal. 16% of the total contract value must be subcontracted to certified MWBE's that are designated within the San Antonio Metropolitan Statistical Area (SAMSA).
- A 1% AABE goal is enforced. The minority the City is looking for in this project are African American business owners.
- 1% out of the 16% MWBE must be subcontracted to certified AABE's in the SAMSA area.
- All MWBE's and AABE's must also be certified as an SBE.
- They must be certified as a Small Business as well.
- Check your team's certifications or your sub certifications. That they are not just only MWBE or Woman Owned Business. Make sure that they are a small business as well; because they are not going to count if they are only certified as a minority or a woman owned business.
- With your bid you have to turn in Subcontractor Supply Utilization Plan. If you fail to turn this plan in or if you fail to meet the subcontractor requirement, your bid will be deemed non-responsive.
- Do your best to meet the goals and turn in that utilization plan.
- Make sure you sign it as well.
- Also in the utilization plan please fill in your base bid numbers only.
- Don't want to see any add alternate numbers just a base bid.
- For this project, only first tier subs will count towards your goals. If your business is a small or a small minority women owned business your participation does not count towards subcontracting goals.
- If you're going to be the prime, your participation does not count. We're looking for subcontractors to meet the goals of the project.
- Make sure your subs are certified under the South Central Texas Region Certification agency. That is the only agency that the City of San Antonio recognizes for certifications.

➤ David Rios (COSA/CIMS) – Waiver Requirements

- If you're not going to be able to meet the subcontractor requirements, then fill out the waiver request form with your bid.
- If you fail to meet the goals or the requirements of the project, the small minority goals and you fail to turn in a waiver; your bid is going to be deemed non-responsive.
- If you need to call us, we can help you out with that as much as possible.
- There is a lot of due diligence you have to do with the waiver. Not all waivers are approved.
- You have to show that you went out and advertised and sought out those minority contractors. Make sure that you follow-up with them. All that has to be documented. Our Economic Development Department reviews the waivers.

MEETING MINUTES (CONTINUED)

- Section 4 is Central Vendor Registry. If you're going to do business with the City, you and your subs have to be registered. We call this Central Vendor Registry. It's a simple registration, if you are not registered, please do so and you will get issued a vendor number.
- Lastly, the City has a Vendor Listing Tool, that you can go in, that will help you find subcontractors to help you meet your goals. You can find subs that are ready, willing, and able to do work. They are certified; they're headquartered in SAMSA counties and are waiting for you to call them. That is a very useful tool.

PROJECT SCOPE AND BACKGROUND:

Sean Strong, (TCI)

COSA is bidding two projects together. We have the city-wide bridge project which is the E.Commerce city-wide bridge over Salado Creek as well as the E. Commerce sidewalk project from Rio Grande to Houston St. That is a sidewalk project, but it also has a lot of drainage work that needs to take place to make sure the sidewalks work.

John Offer, CPS – Poles are set, line work to be done soon. Underground work at bridge CPS will install. Contractor is responsible for infrastructure. CPS will pull wire and put lights up.

Sean Strong, TCI - On the city-wide bridge, the E. Commerce Bridge project has one joint bidder and that is with SAWS water. On the other project, the sidewalk drainage project from Rio Grande to Houston St., SAWS water and sewer are joint bid and also CPS gas is joint bid.

Bill Fey, CPS

Certain areas within a project, we'll be replacing the gas and services. We still have yet to have the permit come through yet, but we expect that to come through pretty soon. It will be a standard replacement project.

Inquiries were made:

Q: The demolition of the bridge, is that what you are considering as Phase 2?

A: No actually it's going to be part of Phase 1. There is going to be some utility work near the bridge that needs to be done, plus the bridge will be part of Phase 1.

Q: You are still closing the street correct?



MEETING MINUTES (CONTINUED)

A: Yes, the bridge will have a full street closure.

Q: I thought the street wasn't going to be closed until Houston St. was opened?

A: That's correct. Houston St. is going to be open before this project starts.

AT&T – We have nothing on the bridge. East of where the bridge starts we have no AT&T not involved there. AT&T has overhead involved as far as moving some transfers once CPS is finished with the new poles. Just waiting on that to happen. Our project has been issued, we're just waiting.

Time Warner Cable – No one there to represent.

Jessie Rodriguez (TCI) - Time Warner probably same status as AT&T.

Sean: I think TWC is all overhead. If they have anything, it would be transfers.

SAWS – E. Commerce and Rio Grande to Houston has approximately 4,525 feet of sewer work, 8 and 12 inch. Water work includes 4,640 feet from 8, 12, 16, 24 inch adjustments. For the bridge it's about 600 feet of 8 inch that will cross with the bridge on the South side of the bridge. The existing 24-inch RCP is to remain there and it may be a little difficult to work around. Other than that we are just looking at dead end mains on both sides of the bridge. We are looking at tying that loop together with an 8 inch line. We will be boring Salado Creek. You will also be crossing a big recycle main too.

Additional Inquiries were made:

Q: We are putting in an extra duct, correct on the bridge?

A: Yes.

Sean Strong: Some other project facts I wanted to bring up. This project will require a six-day work week. As we talked about briefly before, just want to note and reiterate that Phase 1 of the project includes both the drainage and the bridge work. There is some drainage work on the sides, near the bridge that needs to be done before the actual backfill. There is an incentive for the bridge project of \$300,000.00 for re-opening bridge within 210 days. Time is from when the bridge closure starts to when the bridge is reopened.

Q: Is that just to traffic or full traffic?

A: It has to be open to one-way traffic in each direction. Two lanes.

Sean Strong: There will be some more language that we're going to release with addendum to clarify the bridge incentive. The next addendum that comes out will go over that. It's going to be a little bit different than what is stated in the contract right now. Keep that in mind.

MEETING MINUTES (CONTINUED)

Q: Just to clarify, one lane each direction?

A: Yes.

Q: So the addendum will clarify the incentive?

A: Yes.

Q: How many days is it? Is that the 300?

A: Well, the way we are looking at it, from notice to proceed of the project to 210 days, you will be able to get the maximum incentive.

Q: That's with everything out of the way, no stops?

A: Right. Having the two way traffic, one-way in each direction.

But like I said, we will clarify that in a final addendum for this incentive part.

Also, I wanted to note that the remainder of the project, the actual sidewalk drainage project that is separate from the bridge you'll have to maintain at least one lane of traffic at all times for that project. So that is separate from the bridge, where you can actually close the road.

Also as noted, we are going to be doing some work under the railroad for the sidewalk drainage portion.

There are going to be three different permits for the work under the UPRR bridge. One is the City portion that is for storm sewer, one is for SAWS for the waterline, and then there is also the gas line for CPS.

As far as the City goes, we have received the UPRR permit. We've signed it and sent it back to UP, the railroad. We're just waiting on them to sign off and send it back to us.

The way the phasing is, is the work underneath the railroad is going to be further down near the end of the project. We should have all the permits by the time work gets setup on it.

One thing I wanted to note on the railroad permit, we did actually include a copy of it in the specs.

The two things I wanted to point out is that, the contractor's right of entry agreement that is in that UPRR permit needs to be signed and sent to UPRR before any work in the railroad right of way can happen. Also, the other thing I wanted to note is that there are insurance requirements for working in the railroad right of way. Need to make sure you are aware of those.

The other things I wanted to point out, we did include the Geotechnical report for both the bridge work and the sidewalk drainage work project. So that is in the spec books for each project.

I wanted to go ahead and point out as Elvia had noted there has already been one addendum for the city wide bridge portion and that was a SAWS revision.

We're going to have at least one other addendum that's going to cover the pre-bid meeting minutes today and the six-day work week language.

MEETING MINUTES (CONTINUED)

In addition, as already noted, we're going to have the revised incentive language and then also any questions that may come up today or by 4 PM on Friday January 30, 2015 in the addendum as well. The other item on my list was, I wanted to ask Joey Doctor to give an update on the pre-construction meeting.

Joey Doctor: More than likely we are going to have a pre-construction public meeting probably late March or early April and more than likely it's going to be at the Lincoln Park Community Center and John Donnelly, the Capital Projects officer on the Construction side, he's going to be working with me.

And then we're going to also be coordinating a little bit down the road, also a ground breaking ceremony with our staff here. And so, you'll be alerted to that as well, both of those meetings.

Sean Strong: Okay. I covered everything I wanted to cover. I'm going to turn it back over to Elvia.

John Wolters: I was going to just say usually when it comes to the public, we usually have at least one person that is not happy with the total closure. We greatly appreciate the contractor earning their incentive and getting that bridge open.

Elvia: Are there any questions?

Q: What's the anticipated time for notice to proceed? When do you think that will be?

A: Well the bid opening is on the 10th, then your package needs to be reviewed by our Economic Development department and then we submit to council. So, I guess we're talking 30 days?

Q: April. Realistically we're looking at early to mid-April.

Q: You said the bridge can't be down until the other project is complete, what's the schedule?

A: Yes, Houston Street should be reopened in February.

Houston St. will be done before the notice to proceed for this project. We had some problems with the pavement because of the low temperatures, so we had to hold back. Also we have to have it open during the rodeo. We will pave it right after the end of the rodeo, and then it will be open before the notice to proceed is given on this particular project.

Q: You mentioned about the incentive having just one lane open in each direction?

Voice: A: Right.

Q: Are you guys open to a phasing deal there? Is that what we're looking at, just to get half of it done? Is that what your intentions are there?



MEETING MINUTES (CONTINUED)

Richard Grochowski A: The intent is to have the entire bridge up, but if you're still working on the bridge railing, the sidewalk and we can open up traffic lanes, we are okay with that.

Q: I guess you'll explain it in the addendum, after that 210 days, it goes down by day? There is no penalty, but just an incentive.

Richard Grochowski: Right. The incentive is deducted for each day over the 210 and it will eventually go down to zero. We have a sliding scale on how that's deducted. The closer you get it finished to the 210, the higher the incentive is going to be, maximum being \$300,000.00.

END OF PRE-BID CONFERENCE

Note: Should anyone have any comments regarding the contents of the above, please respond via email within three (3) business days of receipt of these minutes.

Pre-Bid Meeting Sign-In



CITY OF SAN ANTONIO TRANSPORTATION & CAPITAL IMPROVEMENTS

NAME	ORGANIZATION	PHONE	EMAIL
Chas Cornett	TEXAS STERLING CONST.	817-264-1074	chas.cornett@sterleo.com
Carlos BENAVIDES	TEXAS STERLING Co.	210-340-2133	CARLOS.BENAVIDES@STERLEO.COM
Paul Castro	Sundt.	210-243-7163	pcastro@sundt.com
Trey Priour	Sundt.	210-612-4428	tpriour@sundt.com
Abel Ortiz	Sundt	210-952-8432	aortiz@sundt.com
ALVARO LOPEZ	SEA	210-735-9202	Alopez@seastx.com
Bill Fey	CPS Energy - Gas	210-353-4267	WHFey@CPSENERGY.COM
David Rios	TCT - Small Business	207-1339	david.rios@sanantonio.gov
Jesse Ramirez	TCT / Const.	201-8252	jesus-rodriguez@sanantonio.gov
Carlos Barajas	TCT / Const.	207-7751	carlos.barajas@sanantonio.gov
John Woelter	TCT	207-6084	john.woelter@sanantonio.gov
JOEY DECKER	TCT	201.8415	joe.decker@sanantonio.gov
David S. Lopez	COSA - TCT	207-5001	david.lopez@sanantonio.gov
SEAN STRONG	COSA - TCT	207-8037	sean.Strong@sanantonio.gov
Victoria Parkefield	COSA - TCT	801-8345	Victoria.Parkefield@sanantonio.gov
RICHARD GROCHOWSKI	COSA - TCT	210-207-7640	Richard.Grochowski@sanantonio.gov

THIS FORM WILL BE POSTED TO THE CITY WEBSITE, SIGNING THIS FORM GIVES CITY PERMISSION TO RELEASE YOUR INFORMATION

Claudia Teran ~~CP5~~ 210-353-2224 - ~~CP5~~ CP5
January 26, 2015
CITYWIDE BRIDGE PROGRAM: E. COMMERCE #40-00294B
AND E. COMMERCE (N RIO GRANDE TO E HOUSTON) #40-00302



Pre-Bid Meeting Sign-In

CITY OF SAN ANTONIO TRANSPORTATION & CAPITAL IMPROVEMENTS

NAME	ORGANIZATION	PHONE	EMAIL
Butch Leist	Hill Country Bridge	210 913 7155	bleiste@hillcountrybridge.com
Mark Deadmond	"	830 885 4294	mdeadmond@hillcountrybridge.com
Layne Walker	Capital Excavation	512 801-1328	Lwalker@capitalexcavation.com
EVAN DEERY	E-Z BEL CONSTRUCTION	(210) 736-6895	RANDREY@EZBEL.COM
Ron Capps	AT47	210 283-1990	rc2165@ATT.COM
Ernest Meche	SEA	210-735-9202	emeche@seetx.com
ABEL RAMIREZ	SAWS	233-3256	abramirez@saws.org
Matthew Matula	SAWS	233-3445	Matthew.Matula@SAWS.org
Vivonne Gomez	SAWS	233-2342	vivonne.gomez@SAWS.org
JOHN MOONEYHAM	CEC	641-9999	MOONEYHAM@CECTEXAS.COM
MARTIN PALACIOS	BMB	844-7223	mpalacios@BMBi.com
Charles DeArkas	BMB	"	cdearkas@bmbi.com
MICHAEL WASHINGTON	CNG	224-8841	MIKE.WASHINGTON@CNGENGINEERING.COM
Robert Espinosa	COSA - ENU	281-1448	robert.espinosa@sanantonio.gov
David Palacios	COSA - Contract	201-2089	david.palacios@sanantonio.gov

THIS FORM WILL BE POSTED TO THE CITY WEBSITE, SIGNING THIS FORM GIVES CITY PERMISSION TO RELEASE YOUR INFORMATION

January 26, 2015
CITYWIDE BRIDGE PROGRAM: E. COMMERCE #40-00294B
AND E. COMMERCE (N RIO GRANDE TO E HOUSTON) #40-00302

AMENDMENT TO GENERAL CONDITIONS FOR CITY OF SAN ANTONIO CONSTRUCTION CONTRACTS

1. General Conditions for Construction Contracts (Form 081) is revised as follows:

- Section 1.1.11 of the General Conditions for City of San Antonio Construction Contracts is deleted in its entirety and replaced with the following:

1.1.11 “DAY” as used in the Contract Documents shall mean Calendar Day, unless otherwise specifically defined. A Calendar Day is a day of 24 hours, measured from midnight to the next midnight, unless otherwise specifically stipulated. A Working Day is measured from sunrise to sundown Monday through Saturday, except legal holidays, or the hours during which Contractor has been authorized and/or directed to work by Owner.

- Section 3.10.5 of the General Conditions for City of San Antonio Construction Contracts will be modified to include the following:

3.10.5.4. Contractor shall perform work six (6) days each week, Monday through Saturday, from sunrise to sundown, unless otherwise directed by the City. Any adjustment to that defined work schedule shall be negotiated and agreed to in writing by the Parties.

- Section 3.10.6.3 of the General Conditions for City of San Antonio Construction Contracts is deleted in its entirety and replaced with the following:

3.10.6.3. Work shall be scheduled based upon Contractor’s six (6) day work week, utilizing the appropriate calendar assignments and using compatible Project Scheduling software.

- Section 8.1.3 in Article VIII. TIME has been deleted in its entirety and replaced with the following:

8.1.3. Nothing in this Article VIII shall be construed as prohibiting Contractor from working on Sundays and holidays if it so desires and giving Owner at least the prerequisite forty-eight (48) hours written notice of intent to perform Work on Sunday and holidays so that Owner’s representative may be scheduled to observe/inspect said Work and only if Contractor has performed work on the Project during the same week of the requested Sunday or holiday.

- Section 8.2.2 of the *SPECIAL CONDITIONS FOR HORIZONTAL PROJECTS* for City of San Antonio construction Contracts is deleted in its entirety and replaced with the following:

8.2.2 No more than eight (8) hours of standby time shall be paid during a 24-hour day, no more than forty-eight (48) hours shall be paid per week for standby time and no more than two hundred and eight (208) hours per month shall be paid of standby time. Standby time shall be computed at fifty percent (50%) of the rates found in the Rental Rate Blue Book for construction Equipment and shall be calculated by dividing the monthly rate found in the Blue Book by 208, then multiplying that total by the regional adjustment factor and the rate adjustment factor. Operating costs shall not be charged by Contractor.

SUPPLEMENTAL CONDITIONS

1. **When submitting a bid in person, visitors to City Hall must allow time for security measures.** Visitors to City Hall will be required to enter through the east side of the building. The public will pass through a metal detector and x-ray machine located in the lobby. All packages, purses and carried items will be scanned during regular business hours of 7 a.m. to 7 p.m. After the public proceeds through the metal detector, they will sign in and receive a visitor's badge. For those that might require the use of a ramp, entry is available on the south side of the building (Dolorosa side). Security will meet the visitor in the basement with a hand scanner.
2. **Scope of the Work** - The Contractor shall furnish all the materials and perform all the Work called for in the Contract Documents and more specifically described in the Plans and Specification for the Project entitled.
3. The Contractor shall begin Work at the job site within seven (7) calendar days after the date of the Owner's written Authorization to Proceed issued by the Owner's Representative.
4. **Liquidated Damages for Delay in Substantial Completion & Final Completion:** Contractor shall pay Owner the sum indicated on the table below for each and every calendar day of unexcused delay in achieving Substantial Completion/Final Completion beyond the Scheduled Completion/Final Completion Dates. Any sums due and payable hereunder by Contractor shall be payable, not as a penalty, but as Liquidated Damages representing an estimate of delay damages likely to be sustained by Owner, estimated at the time of executing the Contract. Such Liquidated Damages shall apply regardless of whether Contractor has been terminated by Owner prior to Substantial Completion, so long as Contractor's actions or inactions contributed to the delay. Such Liquidated Damages shall be in addition to and not in preclusion of any recovery of actual damages resulting from other defects in Contractor's performance hereunder for matters other than delays in Substantial Completion/Final Completion. When Owner reasonably believes that Substantial Completion/Final Completion will be inexcusably delayed, Owner shall be entitled, but not required, to withhold from any amounts otherwise due to Contractor an amount then believed by Owner to be adequate to recover liquidated damages applicable to such delays. If and when Contractor overcomes the delay in achieving Substantial Completion/Final Completion, or any part thereof, for which Owner has withheld payment, Owner promptly shall release to Contractor those funds withheld but no longer applicable as Liquidated Damages.

Incentive Pay / Liquidated Damages

Contractual Milestone	Contractual Milestone Description and Requirements	From	To	Incentive Pay
1	Incentive Pay for Reopening of E. Commerce St to 2-lanes of traffic at bridge without further closure of these 2 lanes	NTP	210 calendar days	Maximum \$300,000.00
2	Incentive Pay for Pkg A-Bridge Only	211 calendar days from Bridge Closure	270 calendar days from Bridge Closure	\$4,000.00 deducted for every day over 210 through 270 days from NTP
3	Incentive Pay for Pkg A-Bridge Only	Day 271	Day 330	\$1,000.00 deducted for every day over 270 days thru 330 days
Contractual Milestone	Contractual Milestone Description and Requirements	From	To	Liquidated Damages
4	Substantial Completion	NTP	360 calendar days	\$2,000.00 per day
5	Final Completion	Substantial Completion	30 calendar days	\$600.00 per day

5. It is understood and agreed that the work is to be completed in full on or before 360 calendar days.

Bridge Closed or Closure shall mean any Calendar day (24 hour period) the Bridge is restricted to less than two (2) lanes of vehicular traffic.

A monetary incentive may be granted to the Contractor in order to reduce the amount of roadway closure time for this project. The maximum incentive that may be earned by the Contractor is \$300,000.00. To earn the maximum incentive the Contractor must have the E. Commerce Bridge over Salado Creek open to vehicular traffic, one lane of traffic in each direction, by no later than 210 Calendar Days from the date of the NTP, plus any Extended Calendar Days. As it applies to the incentive, vehicular traffic must remain safe, continuous, and active for the duration of the project once it has been re-established after the closure.

The incentive money offered will be reduced \$4,000.00 per day for every Calendar Day past the initial 210th Calendar Day of the contract up to the 270th Calendar Day of the contract while the E. Commerce Bridge is not re-opened to at least two-lanes of vehicular traffic.

The incentive money offered will be reduced \$1,000.00 per day for every Calendar Day past the initial 270th Calendar Day of the contract up to the 330th Calendar Day of the contract while the E. Commerce Bridge is not re-opened to at least two-lanes of vehicular traffic.

6. Partial Payment - Each month, the Owner shall make a progress payment as approved by the Owner's Representative in accordance with the General Conditions.

7. Acceptance and Final Payment - Final Payment shall be due on final Owner acceptance of the Project Work, provided the Contract has been completed by Contractor as provided in the General Conditions. Before issuance of the final payment, the Contractor shall submit an affidavit and reasonable additional supporting evidence if required, as satisfactory to the Director of Finance, City of San Antonio, that all labor payrolls, construction materials and supply bills, subcontractors, and other indebtedness connected with the Work have been paid in full, or that an outstanding debt is being disputed and that the corporate surety or its agent is processing the outstanding claim and is willing to defend and/or indemnify the City should the City make final Contract payment.

8. Contractor shall comply with Standard Specification 1000 in its invoicing.

Project Name : Citywide Bridge – East Commerce and East Commerce (N Rio Grande to E Houston)
Project No.: 40-00294B
01-26-15

CITY OF SAN ANTONIO
025 UNIT PRICING FORM

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PROJECT NAME: CITYWIDE BRIDGE EAST COMMERCE AND EAST COMMERCE SIDEWALK PROJECT
ID NO. 40-00294B / 40-00302

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
				The City only will accept bid pricing to the hundredths. Any pricing extended out to three decimal points will be truncated to two decimal points in the City's favor.					
PACKAGE A - CITYWIDE BRIDGE EAST COMMERCE									
COSA - BASE BID									
	COSA	100.1		Mobilization	LS	1			1
	COSA	101		Preparing Right of Way	LS	1			2
	COSA	103.4		Remove Concrete Rip Rap	SF	1080			3
	COSA	104.1		Street Excavation	CY	364			4
	COSA	105.1		Channel Excavation	CY	120			5
	COSA	107.1		Embankment (Final)(Density Control Type B)	CY	12629			6
	COSA	203.1		Tack Coat	GAL	100.6			7
	COSA	205.2	SP205	Hot Mix Asphaltic Pavement, Ty B (11.5")	SY	1165			8
	COSA	205.2	SP205	Hot Mix Asphaltic Pavement, Ty B (4")	SY	461			9
	COSA	205.4	SP205	Hot Mix Asphaltic Pavement, Ty D (3.5")	SY	1006			10
	COSA	500.1		Concrete Curb	LF	194			11
	COSA	502.1	SP502	Concrete Sidewalks Conventionally Formed	SY	160			12
	COSA	505.1	SP505	Concrete Riprap (5" THICK)	SY	292			13
	COSA	505.1	SP505	Concrete Riprap (6" THICK)	SY	370			14
	COSA	515.1		Topsoil	CY	500			15
	COSA	516.1		Bermuda Sodding	SY	4500			16
	COSA	520.1	SP520	Hydromulching (Commercial)	SY	10000			17
	COSA	530.1		Barricades, Signs and Traffic Handling	LS	1			18
	COSA	531.59		Special Sign	EA	3			19
	COSA	535.1		4 inch wide yellow line	LF	2401			20
	COSA	535.2		4 inch wide white line	LF	328			21
	COSA	537.6		Pavement Marker (Type I C)	EA	36			22
	COSA	537.8		Pavement Marker (Type II A-A)	EA	36			23
	COSA	540.1		Rock Filter Dams (Install) (Type 3)	LF	40			24
	COSA	540.1		Rock Filter Dams (Remove) (Type 3)	LF	40			25
	COSA	540.1		Rock Filter Dams (Install) (Type 4)	LF	200			26
	COSA	540.1		Rock Filter Dams (Remove) (Type 4)	LF	200			27
	COSA	540.6		Construction Exits (Install/Remove)	SY	160			28
	COSA	540.9		Temporary Sediment Control Fence	LF	1445			29
	COSA	618.1		Conduit (2 Inch/PVC SCHEDULE 40)	LF	909			30
	COSA	636.1		Aluminum Signs	SF	4.67			31
	COSA	801.1		Level I Protective Fencing Tree Trunk Protection	LF	5259			32
	COSA	801.2		Level II A Protective Fencing Tree Trunk Protection	LF	4400			33
	COSA	801.30		Level II B Protective Fencing Tree Trunk Protection	LF	765			34
	COSA	802.2		Level II Pruning	LS	1			35
	TxDOT	164	2011	Broadcast Seed (TEMP) (COOL)	SY	7250			36

Addendum No. 3
February 3, 2015

CITY OF SAN ANTONIO
025 UNIT PRICING FORM

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PROJECT NAME: CITYWIDE BRIDGE EAST COMMERCE AND EAST COMMERCE SIDEWALK PROJECT
ID NO. 40-00294B / 40-00302

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
	TxDOT 164	2008		Broadcast Seed (TEMP) (WARM)	SY	7250			37
	TxDOT 168	2001		Vegetative Watering	MG	226			38
	TxDOT 416	2001	SP416-001	Drill Shaft (18 In)	LF	80			39
	TxDOT 416	2004	SP416-001	Drill Shaft (36 In)	LF	1722			40
	TxDOT 420	2003	SP420-002	Cl. C Conc (Abut)	CY	90.6			41
	TxDOT 420	2004	SP420-002	Cl. C Conc (Bent)	CY	282.4			42
	TxDOT 420	2033	SP420-002	Cl. S Conc (Appr Slab)	CY	104.2			43
	TxDOT 420	2034	SP420-002	Cl. S Conc (Bridge Sdwk)	CY	237.4			44
	TxDOT 420	2045	SP420-002	Cl. A Conc (Misc)(6")	SY	1400			45
	TxDOT 422	2001		Reinf Conc Slab	SF	28688			46
	TxDOT 425	2067		Prestr Conc Girder (Tx46)	LF	2957.5			47
	TxDOT 442	2048	SP425-001	Structural Steel (MISC Non Bridge)	LBS	4709			48
	TxDOT 450	2064	SP442-016	Rail (Ty C221)	LF	926			49
	TxDOT 454	2001	SP450-001	Sealed Expansion Joint (4IN) (SEJ-A)	LF	148			50
	TxDOT 481	2010	SP454-003	PVC Pipe (Sch 40) (4IN)	LF	118			51
	TxDOT 496	2010		Remove STR (Bridge 100-499 FT Length) (Includes Lead Paint	EA	1			52
	TxDOT 542	2001		Removing Metal Beam Guard Fence	LF	710			53
	TxDOT 618	2052		Conduit (RM) (2")	LF	16			54
	TxDOT 618	2090		Conduit (4inch/PVC Schedule 80)	LF	4266			55
	TxDOT 618	2200		Conduit (PVC)(SCHD 40)(4")(CONC ENCSE)(RDWY)	LF	459			56
	TxDOT 6834	2001		Portable Changeable Message Sign	DAY	600			57
	32 32 23	SHT L1.0 & L1.1		Concrete Segmental Retaining Wall System	SF	2800			58
		SHT L1.0 & L1.1		Pedestrian Rail	LF	242			59
				PACKAGE A - SUBTOTAL COSA BASE BID AMOUNT:					

CITY OF SAN ANTONIO
025 UNIT PRICING FORM

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PROJECT NAME: CITYWIDE BRIDGE EAST COMMERCE AND EAST COMMERCE SIDEWALK PROJECT
ID NO. 40-00294B / 40-00302

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
PACKAGE A - CITYWIDE BRIDGE EAST COMMERCE									
SAWS - WATER BASE BID									
	SAWS	100		Mobilization (10%)	LS	1			60
	SAWS	101		Preparing Right of Way (5%)	LS	1			61
	SAWS	550		TRENCH EXCAVATION SAFETY PROTECTION	LF	594			62
	SAWS	818		8" PVC WATERLINE (RESTRAINED)	LF	594			63
	SAWS	826		VALVE BOX ADJUSTMENT	EA	1			64
	SAWS	828		8" GATE VALVES	EA	1			65
	SAWS	836		PIPE FITTINGS, ALL SIZES AND TYPES	TON	2			66
	SAWS	840		8" WATER TIE-IN	EA	2			67
	SAWS	841		HYDROSTATIC TESTING	EA	1			68
	SAWS	844		2" BLOWOFF, TEMPORARY	EA	2			69
	SAWS	846		1" AIR RELEASE ASSEMBLIES	EA	2			70
	SAWS	856.1		JACKING, BORING OR TUNNELING 24"	LF	79			71
	SAWS	856.2		8" CARRIER PIPE FOR JACKING, BORING, TUNNELING	LF	79			72
	SAWS	856.3		CASING OR LINER 24"	LF	79			73
	SAWS	858		CONCRETE ENCASEMENT, CRADDLES, SADDLES AND COLLARS	CY	5			74
	SAWS	1020		8" WATER MAIN BREAK/LEAK ALL TYPE REPAIRS	EA	1			75
	SAWS	3000.14		REMOVAL, TRANSPORTAION AND DISPOSAL OF A.C. PIPE	LF	38			76
				PACKAGE A SUBTOTAL- SAWS - WATER BASE BID:					
				PACKAGE A - BASE BID TOTAL:					
PACKAGE B - EAST COMMERCE - N. RIO GRANDE TO HOUSTON									
COSA - BASE BID									
		100.1		Mobilization	LS	1			
		100.2		Insurance & Bond	LS	1			
		101.1		Preparing Right of Way	LS	1			
		103.1		Remove Concrete Curb	LF	4,432			
		103.3		Remove Concrete Sidewalks & Driveways	SF	42,391			
		103.4		Remove Concrete Riprap	SF	4,791			
		104.1		Street Excavation	CY	170			
		105.1		Channel Excavation	CY	150			
		106.1		Box Culvert Excavation and Backfill	CY	2,064			
		107.1		Embankment (Final)(Dens Cont)(Ty B)	CY	4,120			
		200.1		Flexible Base (2" Compacted Depth)	SY	1,390			
		205.2		Hot Mix Asphaltic Pavement Type B (3.5" Comp Depth)	SY	710			
		205.2		Hot Mix Asphaltic Pavement Type B (5.5" Comp Depth)	SY	680			
		205.4		Hot Mix Asphaltic Pavement Type D (2" Comp Depth)	SY	12,633			
		208.1		Salvaging, hauling & stockpiling R.A.P. (2 inch Mill)	SY	12,633			

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February 3, 2015

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025 UNIT PRICING FORM

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PROJECT NAME: CITYWIDE BRIDGE EAST COMMERCE AND EAST COMMERCE SIDEWALK PROJECT
ID NO. 40-00294B / 40-00302

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
	306.1			Structural Excavation	CY	240			
	307.1			Concrete Structure - (Elevated Sidewalk)	CY	2			
	307.1			Concrete Structure - Retaining Walls (Type-F)	CY	72			
	307.1			Concrete Structure - Extend Culvert (4-8'x6'x14')	CY	43			
	307.1			Concrete Structure - Headwall w/ PW-0 (4-8'x6'MBC)	CY	12			
	307.1			Concrete Structure - Headwall w/ CH-FW-0 (36"RCP)	CY	9			
	307.1			Concrete Collar at Storm Drain System "A"	CY	5			
	308.1			DRILLED SHAFTS (24")	LF	35			
	308.1			DRILLED SHAFTS (30")	LF	46			
	309.1			3'x2' Precast Reinforced Concrete Box Culvert	LF	59			
	309.1			5'x4' Precast Reinforced Concrete Box Culvert	LF	212			
	309.1			6'x4' Precast Reinforced Concrete Box Culvert	LF	622			
	401.1			Reinforced Concrete Pipe (Class III)(36" Dia)	LF	2,149			
	401.1			Reinforced Concrete Pipe (Class III)(30" Dia)	LF	962			
	401.1			Reinforced Concrete Pipe (Class III)(24" Dia)	LF	661			
	401.4			Safety End Treatment (3'x2' SBC)(6:1)(P)	EA	2			
	403.2			Junction Box (5'x5'x5')	EA	3			
	403.2			Junction Box (5'x5'x8')	EA	1			
	403.7			Inlet Type I (Complete)(10 Feet)(5' Depth)	EA	4			
	403.7			Inlet Type I (Complete)(10 Feet)(6' Depth)	EA	2			
	403.7			Inlet Extensions (10 Feet)	EA	4			
	403.12			Special Inlet (4-Way)(3.5'x3.5'x5') w/ Conc Apron Depression	EA	6			
	403.12			Special Inlet (Type-W2)(5'x12'x5') w/ Conc Apron Depression	EA	2			
	403.13			Inlet Traffic Grate (Complete)(Type-H) w/ Conc Apron Depression	EA	4			
	403.14			Precast Reinforced Transition (36" RCP to 5'x4' SBC)	EA	1			
	403.15			Precast Reinforced Transition (5'x4' SBC to 6'x4' SBC)	EA	1			
	403.16			Manhole Vertical Stack	EA	3			
	403.17			Precast Reinforced Fitting (Tee 30"x30"x24")(Class IV)	EA	1			
	403.17			Precast Reinforced Fitting (90 Elbow 36"x24")(Class IV)	EA	1			
	410.2			Gravel Subgrade Filler	CY	1,129			
	500.1			Concrete Curbing	LF	10,222			
	500.1			Concrete Curbing (Mono-Type) Dowel to Ex Conc Bus Pad (Rt Sta 47+50)	LF	75			
	500.5			Armor Curb Slotted (14') w/ Conc Apron Depression	LF	56			
	502.1			Concrete Sidewalk	SY	6,241			
	502.3			Sidewalk Drain (24") w/ Conc Apron Depression	EA	9			
	502.3			Sidewalk Drain (24")	EA	4			
	503.2			Concrete Driveways (Commercial)	SY	2,822			
	503.4			Asphalt Concrete Driveways for tie-in to Parking Lots	SY	398			
	505.1			Concrete Riprap (5" Thick)	SY	1,730			

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PROJECT NAME: CITYWIDE BRIDGE EAST COMMERCE AND EAST COMMERCE SIDEWALK PROJECT
ID NO. 40-00294B / 40-00302

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
	506.1			Concrete Retaining Walls - Combination	CY	16			
	511.3			Replacing with Hot Mix Asph Conc Pavement Type B (12" Comp Depth)	SY	1,889			
	515.1			Topsoil (4")	CY	1,506			
	516.2			Bermuda Sodding at Businesses	SY	3,647			
	520.1			Hydromulching (Commercial) at Channels	SY	9,642			
	522.1			Sidewalk Pipe Railing	LF	700			
	525.1			Concrete Traffic Barrier (Portable)(Ty I)(Install)	LF	600			
	525.1			Concrete Traffic Barrier (Portable)(Ty I)(Relocate)	LF	600			
	525.1			Concrete Traffic Barrier (Portable)(Ty I)(Remove)	LF	600			
	525.2			Concrete Traffic Barrier (Portable)(Ty II)(Install)	LF	220			
	525.2			Concrete Traffic Barrier (Portable)(Ty II)(Relocate)	LF	220			
	525.2			Concrete Traffic Barrier (Portable)(Ty II)(Remove)	LF	220			
	530.1			Barricades, Signs & Traffic Handling	LS	1			
	531.1			Metro Street Name, Block Numbers (High Density)(Varies x 15")	EA	10			
	531.3			R1-1 Stop (30")(High Density)	EA	5			
	531.4			R1-2 Yield (36")(High Density)	EA	1			
	531.6			R2-1 Speed Limit (24"x30")(High Density)	EA	3			
	531.11			R3-5 Right Only (30"x36")(High Density)	EA	3			
	531.11			R3-5 Left Only (30"x36")(High Density)	EA	1			
	531.13			R3-7 Right Lane Must Turn Right (30"x30")(High Density)	EA	4			
	531.14			R3-8 Lane-Use Control (30"x30")(High Density)	EA	2			
	535.1			4 inch wide Yellow Line	LF	12,964			
	535.2			4 inch wide White Line	LF	7,808			
	535.4			8 inch wide White Line	LF	984			
	535.7			24 inch wide White Line	LF	1,032			
	535.7			24 inch wide Yellow Line	LF	142			
	535.8			Right White Arrow	EA	11			
	535.9			Left White Arrow	EA	4			
	535.11			Combination Left/Thru/Right White Arrow	EA	2			
	535.12			Word "Only"	WORD	6			
	537.6			Traffic Button (Type I-C)	EA	320			
	537.8			Traffic Button (Type II A-A)	EA	356			
	540.1			Rock Filter Dams (Install/Remove)(Type 2)	LF	145			
	540.6			Construction Exits (Install/Remove)	SY	234			
	540.9			Temporary Sediment Control Fence	LF	695			
	540.10			Curb Inlet Gravel Filters	LF	150			
	540.11			Gravel Filters Bags	LF	605			
	550.1			Trench Excavation Safety Protection	LF	4,615			
	552.1			Removing & Relocating Irrigation System	LF	100			

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PROJECT NAME: CITYWIDE BRIDGE EAST COMMERCE AND EAST COMMERCE SIDEWALK PROJECT
ID NO. 40-00294B / 40-00302

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
	615.1			TRAF SIGNAL CNTRLR ASSEMBLY (TYPE 332 CABINET)	EA	1			
	618.1			CONDUIT (2 INCH/PVC SCHEDULE 40)(TRENCHED)	LF	150			
	618.2			CONDUIT (3 INCH/PVC SCHEDULE 40)(TRENCHED)	LF	58			
	618.5			CONDUIT 3 INCH PVC (SCHEDULE 40) (BORE)	LF	652			
	620.1			ELECTRICAL CONDUCTORS (No. 6) (BARE)	LF	10			
	620.2			ELECTRICAL CONDUCTORS (No. 8) (BARE)	LF	800			
	620.3			ELECTRICAL CONDUCTORS (No.6) (INSULATED)	LF	20			
	624.3			GROUND BOXES TYPE C (162911) W/APRON	EA	4			
	628.1			ELECTRICAL SERVICES	EA	1			
	633.1			BATTERY BACKUP SYSTEM	EA	1			
	655.1			TYPE 332 CONTROLLER FOUNDATION	EA	1			
	680.1			INSTALLATION OF HIGHWAY TRAFFIC SIGNALS (SYSTEM)	EA	2			
	681.1			TEMPORARY TRAFFIC SIGNALS	EA	2			
	682.10			VEHICLE SIGNAL SECTION W/BACK PLATE (12 INCH)(3 SEC)	EA	8			
	682.4			PEDESTRIAN SIGNAL SECTION (12 INCH) LED (2 IND)	EA	8			
	683.1			LED COUNTDOWN PEDESTRIAN MODULE	EA	8			
	684.1			TRAFFIC SIGNAL CABLES (TYPE A) (14 AWG) (4 COND)	LF	650			
	684.1			TRAFFIC SIGNAL CABLES (TYPE A) (14 AWG) (9 COND)	LF	2130			
	686.1			INSTALL TRAF SIGNAL POLE ASSM (STL)(1 ARM 24') W/ ILSN	EA	1			
	686.1			INSTALL TRAF SIGNAL POLE ASSM (STL)(1 ARM 32') W/ ILSN	EA	3			
	687.1			PEDESTAL POLE ASSEMBLY (5')	EA	2			
	687.1			PEDESTAL POLE ASSEMBLY (10')	EA	4			
	688.2			PEDESTRIAN DETECTORS (2 INCH PUSH BUTTON)	EA	8			
	688.3			AUDIBLE PEDESTRIAN SIGNAL UNITS	EA	8			
	693.1			INTERNALLY LIGHTED STREET NAME SIGNS (ILSN SIGN 8' DBL)	EA	4			
	694.5			VIVDS TEMPORARY	EA	2			
	695.2			EMERGENCY PREEMPTION PHASE SELECTOR	EA	2			
	695.3			EMERGENCY PREEMPTION DETECTOR	EA	4			
	695.4			EMERGENCY PREEMPTION DETECTOR CABLE	LF	640			
	696.01			RADAR ADVANCE DETECTOR	EA	2			
	696.02			RADAR PRESENCE DETECTOR	EA	4			
	696.03			RADAR ADVANCE DETECTION DEVICE (RADD) COMM & POWER CABLE	LF	420			

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PROJECT NAME: CITYWIDE BRIDGE EAST COMMERCE AND EAST COMMERCE SIDEWALK PROJECT
ID NO. 40-00294B / 40-00302

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
	696.04			RADAR PRESENCE DETECTION DEVICE (RPDD) COMM & POWER CABLE	LF	630			
	801.2			Tree Protection Level IIB	LF	787			
	802.1			Tree Pruning	EA	32			
	SS1-A			Remove Culvert Pipe (18" RCP)	LF	105			
	SS1-A			Remove Culvert Pipe (36" RCP)(Slotted Drain)	LF	50			
	SS1-A			Remove Culvert Pipe (12" PVC)	LF	100			
	SS1-A			Remove Culvert Pipe (36" CMP)	LF	195			
	SS1-A			Remove Culvert Pipe (24" CMP)	LF	150			
	SS1-B			Remove Metal Beam Guard Fence	LF	675			
	SS1-C			Remove Inlet (4-way) at Drain System "B" (Lt Sta 39+50)	EA	1			
	SS2-A			WIRELESS ACCESS POINT	EA	1			
	SS2-B			WIRELESS BRIDGE BACKHAUL	EA	1			
	SS2-C			ETHERNET SWITCH	EA	1			
	SS3			Allowance for UPRR Flaggers for work in UPRR Right of Way	DAY	15	\$1,400.00	\$21,000.00	
				PACKAGE B - SUBTOTAL COSA BASE BID AMOUNT:					
PACKAGE B - EAST COMMERCE - N. RIO GRANDE TO HOUSTON									
SAWS - WATER BASE BID									
	100			Mobilization	LS	1			
	101			Preparation of Right-of-Way	LS	1			
	205.4			HMAC Type "D" (2" Comp. Depth)	SY	69			
	206.1			10" Asphalt Treated Base	SY	56			
	413			Flowable Fill	CY	53			
	511.3(COSA)			Replac. w/ Hot Mix Asph. Conc. Pvmnt Type B (12")	SY	1,802			
	550			Trench Excavation Safety Protection	LF	4,705			
	814			8" Ductile Iron Pipe	LF	130			
	818			8" PVC Waterline	LF	3,775			
	818			12" PVC Waterline	LF	300			
	818			16" PVC Waterline	LF	330			
	818			24" PVC Waterline	LF	30			
	824			Relay 3/4" Short Service	EA	1			
	824			Relay 3/4" Long Service	EA	2			
	824			Relay 1" Short Service	EA	4			
	824			Relay 1" Long Service	EA	2			
	824			Relay 1 1/2" Short Service	EA	3			
	824			Relay 2" Long Service	EA	1			
	824			Relay 2" Short Service	EA	4			
	824			Relay 4" Long Service	EA	1			
	824			Relay 4" Short Service	EA	4			

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PROJECT NAME: CITYWIDE BRIDGE EAST COMMERCE AND EAST COMMERCE SIDEWALK PROJECT
ID NO. 40-00294B / 40-00302

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
	824			Relay 6" Short Service	EA	1			
	824			Relay 8" Fire Line	EA	5			
	824.5			Customer Shut-off Valve	EA	16			
	828			8" Gate Valves	EA	12			
	828			12" Gate Valves	EA	4			
	828			16" Gate Valves	EA	2			
	833			Existing Meter and New Meter Box Relocation	EA	10			
	834.1			Fire Hydrant	EA	8			
	834.3			Relocate Fire Hydrant	EA	1			
	836			Pipe Fittings, all sizes and types	TON	22			
	840			8" Water tie-ins	EA	5			
	840			12" Water tie-ins	EA	4			
	840			16" Water tie-ins	EA	8			
	840			24" Water tie-ins	EA	2			
	841			Hydrostatic Testing	EA	8			
	844			2" Blowoff, Temporary	EA	12			
	844			4" Blowoff, Temporary	EA	1			
	856.2			8" Carrier Pipe (Open Cut)	LF	100			
	856.2			12" Carrier Pipe (Open Cut)	LF	40			
	856.3			Casing or Liner 24"	LF	140			
	3000			Removal, Transport, and Disposal of AC Pipe	LF	1,432			
				PACKAGE B SUBTOTAL SAWS - WATER BASE BID:					
PACKAGE B - EAST COMMERCE - N. RIO GRANDE TO HOUSTON									
SAWS - SANITARY SEWER BASE BID									
	100			Mobilization	LS	1			
	101			Preparation of Right-of-Way	LS	1			
	103.3(COSA)			Remove Concrete Sidewalks & Driveways	SF	831			
	205.4			HMAC Type "D" (2" Comp. Depth)	SY	589			
	206.1			10" Asphalt Treated Base	SY	473			
	208.1(COSA)			Salvaging, hauling & stockpiling R.A.P. (2 inch Mill)	SY	760			
	209.1(COSA)			Concrete Pavement (10" Deep)(Bus Pad)	SY	7			
	413			Flowable Fill	CY	902			
	503.1(COSA)			Portland Cement Concrete Driveways	SY	23			
	511.3(COSA)			Replac. w/ Hot Mix Asph. Conc. Pvmnt Type B (12")	SY	1,402			
	550			Trench Excavation Safety Protection	LF	4,485			
	848			8" PVC Sanitary Sewer Line. (0'-6')	LF	120			
	848			8" PVC Sanitary Sewer Line. (6'-10')	LF	512			
	848			8" PVC Sanitary Sewer Line. (10'-14')	LF	331			
	848			12" PVC Sanitary Sewer Line. (0'-6')	LF	172			
	848			12" PVC Sanitary Sewer Line.(6'-10')	LF	50			
	848			12" PVC Sanitary Sewer Line, (10'-14')	LF	1,350			

Addendum No. 3
February 3, 2015

CITY OF SAN ANTONIO
025 UNIT PRICING FORM

9

PROJECT NAME: CITYWIDE BRIDGE EAST COMMERCE AND EAST COMMERCE SIDEWALK PROJECT
ID NO. 40-00294B / 40-00302

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
	848			12" PVC Sanitary Sewer Line, (14'-18')	LF	1,560			
	848			12" PVC Sanitary Sewer Line, (18'-22')	LF	390			
	852.1			Sanitary Sewer Manhole (0' - 6')	EA	18			
	852.2			Sanitary Sewer Drop Manhole (0' - 6')	EA	3			
	852.3			Extra Depth Manholes (> 6')	VF	147			
	852.4			Dog House Manhole (6')	EA	1			
	854			Sanitary Sewer Laterals	LF	1,550			
	854.1			Two-Way Sanitary Sewer Clean-out	EA	25			
	856.1			Jacking, Boring, or Tunneling 24"	LF	40			
	856.2			8" Carrier Pipe for Jacking, Boring, Tunneling	LF	40			
	856.3			Casing or Liner 24"	LF	40			
	858			Concrete Encasement, Cradles, Saddles and Collars	CY	60			
	864			Bypass Pumping	LS	1			
	866			Sewer Main Pre-Televising & Cleaning (8"-15")	LF	4,544			
	866			Sewer Main Television Inspection (8" - 15")	LF	4,544			
				PACKAGE B SUBTOTAL SAWS - SANITARY SEWER BASE BID:					
PACKAGE B - EAST COMMERCE - N. RIO GRANDE TO HOUSTON									
CPS ENERGY - BASE BID									
	1			Rerun and Lower Gas Service Off New Main to Meter, Sizes 1/2" thru 4" (including replacing riser if necessary).					
				Short Side	EA	3			
				Long Side	EA	4			
	2			Install Gas Main or Casing (Distance as Measured along the Top of Trench)					
				4" Plastic Pipe and Tracer Wire	FT	62			
				8" Plastic Pipe and Tracer Wire	FT	1,396			

CITY OF SAN ANTONIO
025 UNIT PRICING FORM

10

PROJECT NAME: CITYWIDE BRIDGE EAST COMMERCE AND EAST COMMERCE SIDEWALK PROJECT
ID NO. 40-00294B / 40-00302

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
	3			Flexible Pavement Repair					
				2" HMAC Typed D with 10" Asphalt Treated Base Type D or Flowable Fill	SY	225			
	4			Miscellaneous					
				Sidewalk replacement	SF	135			
				Landscape replacement/repair	LS	1			
				PACKAGE B SUBTOTAL CPS ENERGY BASE BID AMOUNT:					
				PACKAGE B - BASE BID TOTAL:					
				TOTAL AMOUNT OF PACKAGE A AND PACKAGE B BASE BID:					

_____certifies that the unit prices shown on this complete computer print-out for all of the bid items and the alternates contained in this proposal are the unit prices intended and that its bid will be tabulated using these unit prices and no other information from this print-out.

_____Acknowledged and agrees that the total bid amount shown will be read as its total bid and further agrees that the official total bid amount will be determined by multiplying the unit bid prices shown in this print-out by the respective estimated quantities shown in the proposal and then totaling all of the extended amounts. _____ agrees to the terms, conditions, and requirements of the bidder's bid proposal.

Signed: _____ Date: _____

Title: _____

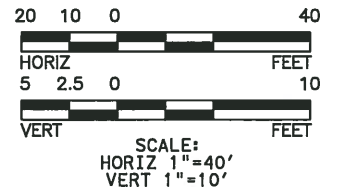
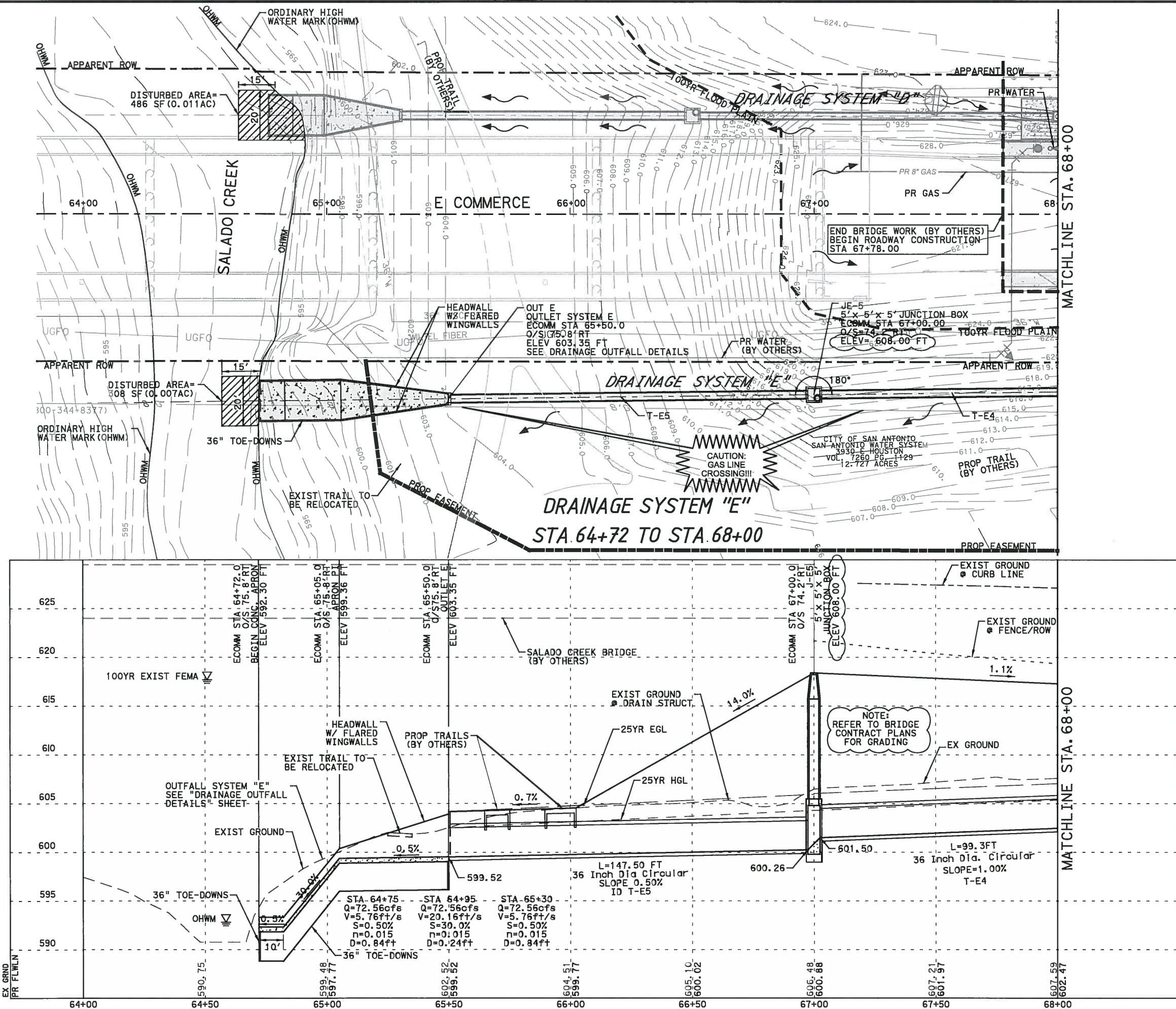
COSA QUANTITY SUMMARY

ITEM	DESCRIPTION	UNIT	QUANTITY
100.1	Mobilization	LS	1
100.2	Insurance & Bond	LS	1
101.1	Preparing Right of Way	LS	1
103.1	Remove Concrete Curb	LF	4,432
103.3	Remove Concrete Sidewalks & Driveways	SF	42,391
103.4	Remove Concrete Riprap	SF	4,791
104.1	Street Excavation	CY	170
105.1	Channel Excavation	CY	150
106.1	Box Culvert Excavation and Backfill	CY	2,064
107.1	Embankment (Final) (Dense Cont) (Ty B)	CY	4,120
200.1	Flexible Base (2" Compacted Depth)	SY	1,390
205.2	Hot Mix Asphalt Pavement Type B (3.5" Comp Depth)	SY	710
205.2	Hot Mix Asphalt Pavement Type B (5.5" Comp Depth)	SY	680
205.4	Hot Mix Asphalt Pavement Type D (2" Comp Depth)	SY	12,633
208.1	Salvaging, hauling & stockpiling R.A.P. (2 Inch Mill)	SY	12,633
306.1	Structural Excavation	CY	240
307.1	Concrete Structure - (Elevated Sidewalk)	CY	2
307.1	Concrete Structure - Retaining Walls (Type-F)	CY	72
307.1	Concrete Structure - Extend Culvert (4-8'x6'x14')	CY	43
307.1	Concrete Structure - Headwall w/ PW-0 (4-8'x6'MBC)	CY	12
307.1	Concrete Structure - Headwall w/ CH-FW-0 (36"RCP)	CY	9
307.1	Concrete Collar at Storm Drain System "A"	CY	5
308.1	DRILLED SHAFTS (24")	LF	35
308.1	DRILLED SHAFTS (30")	LF	46
309.1	3'x2' Precast Reinforced Concrete Box Culvert	LF	59
309.1	5'x4' Precast Reinforced Concrete Box Culvert	LF	212
309.1	6'x4' Precast Reinforced Concrete Box Culvert	LF	622
401.1	Reinforced Concrete Pipe (Class III) (36" Dia)	LF	2,149
401.1	Reinforced Concrete Pipe (Class III) (30" Dia)	LF	962
401.1	Reinforced Concrete Pipe (Class III) (24" Dia)	LF	661
401.4	Safety End Treatment (3'x2' SBC) (6:1) (P)	EA	2
403.2	Junction Box (5'x5'x5')	EA	3
403.2	Junction Box (5'x5'x8')	EA	1
403.7	Inlet Type I (Complete) (10 Feet) (5' Depth)	EA	4
403.7	Inlet Type I (Complete) (10 Feet) (6' Depth)	EA	2
403.7	Inlet Extensions (10 Feet)	EA	4
403.12	Special Inlet (4-Way) (3.5'x3.5'x5') w/ Cono Apron	EA	6
403.12	Special Inlet (Type-W2) (5'x12'x5') w/ Cono Apron	EA	2
403.13	Inlet Traffic Grate (Complete) (Type-H) w/ Cono Apron	EA	4
403.14	Precast Reinforced Transition (36" RCP to 5'x4' SBC)	EA	1
403.15	Precast Reinforced Transition (5'x4' SBC to 6'x4' SBC)	EA	1
403.16	Manhole Vertical Stack	EA	3
403.17	Precast Reinforced Fitting (Tee 30"x30"x24") (Class IV)	EA	1
403.17	Precast Reinforced Fitting (90 Elbow 36"x24") (Class IV)	EA	1
410.2	Gravel Subgrade Filler	CY	1,129
500.1	Concrete Curbing	LF	10,222
500.1	Concrete Curbing (Mono-Type) Dowel to Ex Cono Bus Pad	LF	75
500.5	Armor Curb Slotted (14') w/ Cono Apron Depression	LF	56
502.1	Concrete Sidewalk	SY	6,241
502.3	Sidewalk Drain (24") w/ Cono Apron Depression	EA	9
502.3	Sidewalk Drain (24")	EA	4
503.2	Concrete Driveways (Commercial)	SY	2,822
503.4	Asphalt Concrete Driveways for tie-in to Parking Lots	SY	398
505.1	Concrete Riprap (5" Thick)	SY	1,730
506.1	Concrete Retaining Walls - Combination	CY	16
511.3	Replacing with Hot Mix Asph Cono Pavement Type B (12"	SY	1,889
515.1	Topsoil (4")	CY	1,506
516.2	Bermuda Sodding at Businesses	SY	3,647
520.1	Hydromulching (Commercial) at Channels	SY	9,642
522.1	Sidewalk Pipe Railing	LF	700
525.1	Concrete Traffic Barrier (Portable) (Ty I) (Install)	LF	600
525.1	Concrete Traffic Barrier (Portable) (Ty I) (Relocate)	LF	600
525.1	Concrete Traffic Barrier (Portable) (Ty I) (Remove)	LF	600
525.2	Concrete Traffic Barrier (Portable) (Ty II) (Install)	LF	220
525.2	Concrete Traffic Barrier (Portable) (Ty II) (Relocate)	LF	220
525.2	Concrete Traffic Barrier (Portable) (Ty II) (Remove)	LF	220
530.1	Barriades, Signs & Traffic Handling	LS	1
531.1	Metro Street Name, Block Numbers (High Density) (Varies	EA	10
531.3	R1-1 Stop (30") (High Density)	EA	5
531.4	R1-2 Yield (36") (High Density)	EA	1
531.6	R2-1 Speed Limit (24"x30") (High Density)	EA	3
531.11	R3-5 Right Only (30"x36") (High Density)	EA	3
531.11	R3-5 Left Only (30"x36") (High Density)	EA	1
531.13	R3-7 Right Lane Must Turn Right (30"x30") (High Density)	EA	4
531.14	R3-8 Lane-Use Control (30"x30") (High Density)	EA	2
535.1	4 inch wide Yellow Line	LF	12,964
535.2	4 inch wide White Line	LF	7,808
535.4	8 inch wide White Line	LF	984

COSA QUANTITY SUMMARY, CONTINUED

535.7	24 inch wide White Line	LF	1,032
535.7	24 inch wide Yellow Line	LF	142
535.8	Right White Arrow	EA	11
535.9	Left White Arrow	EA	4
535.11	Combination Left/Thru/Right White Arrow	EA	2
535.12	Word "Only"	WORD	6
537.6	Traffic Button (Type I-C)	EA	320
537.8	Traffic Button (Type II A-A)	EA	356
540.1	Rock Filter Dams (Install/Remove) (Type 2)	LF	145
540.6	Construction Exits (Install/Remove)	SY	234
540.9	Temporary Sediment Control Fence	LF	695
540.10	Curb Inlet Gravel Filters	LF	150
540.11	Gravel Filters Bags	LF	605
550.1	Trench Excavation Safety Protection	LF	4,615
552.1	Removing & Relocating Irrigation System	LF	100
615.1	TRAF SIGNAL CNTRLR ASSEMBLY (TYPE 332 CABINET)	EA	1
618.1	CONDUIT (2 INCH/PVC SCHEDULE 40) (TRENCHED)	LF	150
618.2	CONDUIT (3 INCH/PVC SCHEDULE 40) (TRENCHED)	LF	58
618.5	CONDUIT 3 INCH PVC (SCHEDULE 40) (BORE)	LF	652
620.1	ELECTRICAL CONDUCTORS (No. 6) (BARE)	LF	10
620.2	ELECTRICAL CONDUCTORS (No. 8) (BARE)	LF	800
620.3	ELECTRICAL CONDUCTORS (No.6) (INSULATED)	LF	20
624.3	GROUND BOXES TYPE C (162911) W/APRON	EA	4
628.1	ELECTRICAL SERVICES	EA	1
633.1	BATTERY BACKUP SYSTEM	EA	1
655.1	TYPE 332 CONTROLLER FOUNDATION	EA	1
680.1	INSTALLATION OF HIGHWAY TRAFFIC SIGNALS (SYSTEM)	EA	2
681.1	TEMPORARY TRAFFIC SIGNALS	EA	2
682.1	VEHICLE SIGNAL SECTION W/BACK PLATE (12 INCH) (3 SEC)	EA	8
682.4	PEDESTRIAN SIGNAL SECTION (12 INCH) LED (2 IND)	EA	8
683.1	LED COUNTDOWN PEDESTRIAN MODULE	EA	8
684.1	TRAFFIC SIGNAL CABLES (TYPE A) (14 AWG) (4 COND)	LF	650
684.1	TRAFFIC SIGNAL CABLES (TYPE A) (14 AWG) (9 COND)	LF	2130
686.1	INSTALL TRAF SIGNAL POLE ASSM (STL) (1 ARM 24') W/ ILSN	EA	1
686.1	INSTALL TRAF SIGNAL POLE ASSM (STL) (1 ARM 32') W/ ILSN	EA	3
687.1	PEDESTAL POLE ASSEMBLY (5')	EA	2
687.1	PEDESTAL POLE ASSEMBLY (10')	EA	4
688.2	PEDESTRIAN DETECTORS (2 INCH PUSH BUTTON)	EA	8
688.3	AUDIBLE PEDESTRIAN SIGNAL UNITS	EA	8
693.1	INTERNALLY LIGHTED STREET NAME SIGNS (ILSN SIGN 8' DBL)	EA	4
694.5	VIVDS TEMPORARY	EA	2
695.2	EMERGENCY PREEMPTION PHASE SELECTOR	EA	2
695.3	EMERGENCY PREEMPTION DETECTOR	EA	4
695.4	EMERGENCY PREEMPTION DETECTOR CABLE	LF	640
696.01	RADAR ADVANCE DETECTOR	EA	2
696.02	RADAR PRESENCE DETECTOR	EA	4
696.03	RADAR ADVANCE DETECTION DEVICE (RADD) COMM & POWER	LF	420
696.04	RADAR PRESENCE DETECTION DEVICE (RPDD) COMM & POWER	LF	630
801.2	Tree Protection Level IIB	LF	787
802.1	Tree Pruning	EA	32
SS1-A	Remove Culvert Pipe (18" RCP)	LF	105
SS1-A	Remove Culvert Pipe (36" RCP) (Slotted Drain)	LF	50
SS1-A	Remove Culvert Pipe (12" PVC)	LF	100
SS1-A	Remove Culvert Pipe (36" CMP)	LF	195
SS1-A	Remove Culvert Pipe (24" CMP)	LF	150
SS1-B	Remove Metal Beam Guard Fence	LF	675
SS1-C	Remove Inlet (4-way) at Drain System "B" (Lt Sta 39+50)	EA	1
SS2-A	WIRELESS ACCESS POINT	EA	1
SS2-B	WIRELESS BRIDGE BACKHAUL	EA	1
SS2-C	ETHERNET SWITCH	EA	1
SS3	UPRR Flaggers for work in UPRR Right of Way	DAY	15

1	2-3-15	ADDENDUM 3: REVISED EMBANKMENT DESCRIPTION TO TY B	BMB
REV	DATE	DESCRIPTION	BY
<div><div>BAIN MEDINA BAIN, INC. ENGINEERS & SURVEYORS TYPE F-1712 TRPLS 10020900 7073 San Pedro, San Antonio, Texas, 78216 Phone: 210-494-7223 Fax: 210-490-5120 WWW.BMBI.COM</div><div>CITY OF SAN ANTONIO  DEPARTMENT OF TRANSPORTATION & CAPITAL IMPROVEMENTS E. COMMERCE FROM N. RIO GRANDE TO E. HOUSTON PROJECT QUANTITY SUMMARY</div></div>			
FINAL DESIGN	PROJECT NO: 40-00302	DATE: 2/3/2015	
DRWN BY: CDA/MC	DSGN BY: CC/CDA	CHKD BY: LOW/CB	SHEET: 3





EXISTING EDGE OF ROADWAY
EXISTING FENCE
EXISTING UTILITY
PROPOSED UTILITY
APPARENT RIGHT OF WAY
PAY LIMITS - RDWY & BRDG CONTRACTS
PROPOSED ROADWAY
PROPOSED CURB INLET
PROPOSED GRATE INLET
PROPOSED JUNCTION BOX
PROPOSED DRAINAGE LATERAL
PROPOSED TRUNK LINE
TOPSOIL AND SOD
SIDEWALK AREA
CONCRETE AREA
MILL & OVERLAY
DRAINAGE FLOW ARROW

PROPOSED GROUND
EXISTING GROUND



108534
LICENSED PROFESSIONAL ENGINEER
[Signature]
02-03-2015

SHEET 1 OF 5			
1	2-3-15	ADDENDUM 3: REVISED MANHOLE J-E5 ELEVATION	BMB
REV	DATE	DESCRIPTION	BY
 BAIN MEDINA BAIN, INC. ENGINEERS & SURVEYORS TPBE F-1712 TPPLS 10020900 7073 San Pedro, San Antonio, Texas, 78216 Phone: 210-494-7223 Fax: 210-490-5120 WWW.BMBI.COM			
CITY OF SAN ANTONIO  DEPARTMENT OF TRANSPORTATION & CAPITAL IMPROVEMENTS E. COMMERCE FROM N. RIO GRANDE TO E. HOUSTON DRAINAGE PLAN AND PROFILE SYSTEM E			
FINAL DESIGN	PROJECT No: 40-00302	DATE: 2/3/2015	
DRWN BY: CDA/MC	DSGN BY: CC/CDA	CHKD BY: LDW/CB	SHEET: 114

11:34:03 AM
2/3/2015

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GENERAL WATER NOTES

- All materials and construction procedures within the scope of this contract shall be approved by the San Antonio Water System (SAWS) and comply with the Plans, Specifications, General Conditions and with the following applicable:
 - Current Texas Commission on Environmental Quality (TCEQ) "Design Criteria for Domestic Wastewater System", Texas Administrative Code (TAC) Title 30 Part 1 Chapter 217 and "Public Drinking Water", TAC Title 30 Part 1 Chapter 290.
 - Current Texas Department of Transportation (TXDOT) "Standard Specification for Construction of Highways, Streets and Drainage."
 - Current San Antonio Water System "Standard Specification for Water and Sanitary Sewer Construction." See SAWS website for current information. (www.saws.org)
 - Current City of San Antonio "Standard Specifications for Public Works Construction."
 - Current City of San Antonio "Utility Excavation Criteria Manual"
- The Contractor is to make arrangements with the SAWS Construction Inspection Division at 233-3500 and provide notification procedures the contractor will use to notify affected home residents and/or property owners 48 hours prior to excavation.
- Locations and depths of existing utilities and service laterals shown on the plans are understood to be approximate. Actual locations and depths must be field verified by the Contractor 48 hours prior to construction. It shall be the Contractor's responsibility to locate utility service lines as required for construction and to protect them during construction at no cost to SAWS.
- The Contractor shall verify the exact location of underground utilities and drainage structures at least 48 hours prior to construction whether shown on plans or not. The following contact information are supplied for verification purposes:

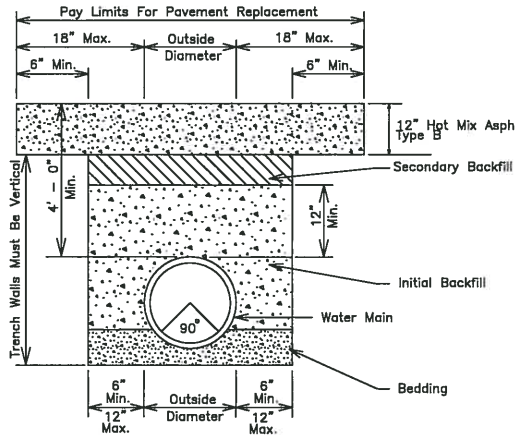
SAWS Utility Locates: 233-2009
SAWS Production Control Center: 233-2016
COSA Drainage: 207-8048
COSA Traffic Signal Operations: 207-7720
Texas State Wide One Call Locator: 1-800-545-6005 or 811
- The Contractor shall comply with City of San Antonio or other governing Municipality's tree ordinances when excavating near trees.
- The Contractor shall not place any waste materials or spoils in the 100-year Flood Plain without first obtaining an approved Flood Plain Permit.
- Prior to tie-ins, any shutdowns of existing mains of any size must be coordinated with the SAWS Construction Inspection Division at (210) 233-3500 and/or SAWS Production groups at least two weeks in advance of the shutdown. The Contractor must also provide a sequence of work as related to the tie-ins; this is at no additional cost to SAWS or the project and it is the responsibility of the Contractor to sequence the work accordingly.
- Where water lines and new sewer lines are installed with a separation distance closer than nine feet (i.e. water lines crossing wastewater lines, water lines paralleling wastewater lines, or water lines next to manholes) the installation must meet the requirements of 30 TAC 217.53(d) (Pipe Design) and 30 TAC 290.44 (e)(Water Distribution).
- Asbestos Cement (AC) pipe, also known as transit pipe which is known to contain asbestos-containing material (ACM), may be located within the project limits. Special waste management procedures and health and safety requirements will be applicable when removal and/or disturbance of this pipe occurs. Payment for such work is to be made under Special Specification Item for Asbestos Cement Pipe.
- Any work completed without prior written authorization which is not included in these plans and specifications will not be compensated by the San Antonio Water System.
- Construction bid prices shall be full compensation for furnishing all materials, including pipe, trenching, pumping, shoring and bracing, concrete, plugs, televising the main after construction, tools, equipment, and other incidentals necessary to complete said work.
- Contractor to maintain water and sewer lateral connections and manhole access at all times during the cut/fill and/or preparation of ROW and to maintain access by raising or lowering the manhole elevations on all existing and proposed manholes(NSPI). Contractor shall also maintain access to all existing and proposed water valves at all times (NSPI).
- NSPI - Not a Separate Pay Item.
- Power poles are to be braced by the contractor. (NSPI)

NOTES:

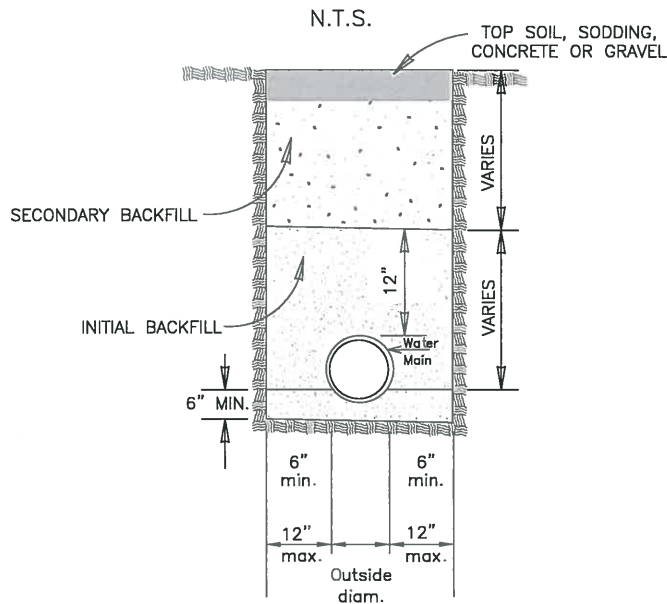
- CONTRACTOR TO FIELD VERIFY THE DEPTH OF GAS MAINS BEFORE BEGINNING OF CONSTRUCTION.
- CONTRACTOR SHALL RESTRAIN ALL PROPOSED PIPES, VALVES AND FITTINGS AT NO ADDITIONAL COST (RL=RESTRAINT LENGTH)
- ALL PROPOSED STREET AND DRAINAGE INFORMATION SHOWN ON PLANS IS FOR INFORMATIONAL PURPOSES ONLY. SEE COSA PLANS FOR DETAILED DESIGN DATA.
- PROJECT IS IN A HIGH PRESSURE DISTRIBUTION AREA AND SHALL FOLLOW HP-1-HIGH PRESSURE DISTRIBUTION SYSTEM SPECIFICATION.
- ALL SERVICES RELAY SHOULD ACCOUNT FOR ALL WATER APPURTUNANCES AND OTHER INCIDENTALS. (ALL DISTURBED AREAS SHALL BE RESTOED TO ITS ORIGINAL CONDITION OR BETTER NSPI)

AT&T NOTE:

THE EXISTENCE AND LOCATION OF UNDERGROUND CABLE INDICATED ON THE PLANS ARE TAKEN FROM THE BEST RECORDS AVAILABLE AND ARE NOT GUARANTEED TO BE ACCURATE. CONTRACTOR IS TO CONTACT THE TELEPHONE COMPANY LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 1-800-828-5127. CONTRACTOR IS TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.



TYPICAL DETAIL ①
TYPICAL PAVEMENT REPLACEMENT
WITHIN MILL & OVERLAY



NOTE:

CPS ENERGY NOTE:

CALL THE TEXAS STATE WIDE ONE CALL LOCATOR NUMBER 1-800-545-6005 OR 811, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.

DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, CPS ENERGY MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.

THE PROJECT MUST BE GAS LEAK SURVEYED PRIOR TO THE FINAL OVERLAY. ALLOW 10 WORKING DAYS FOR THE LEAK SURVEY AND ALLOW AN ADDITIONAL 10 WORKING DAYS FOR VALVE ADJUSTMENTS. THE CONTRACTOR MUST COORDINATE THE SURVEY AND THE ADJUSTMENTS THROUGH THE PROJECT INSPECTOR.

THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING CPS ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREAS.

TRENCH EXCAVATION SAFETY PROTECTION

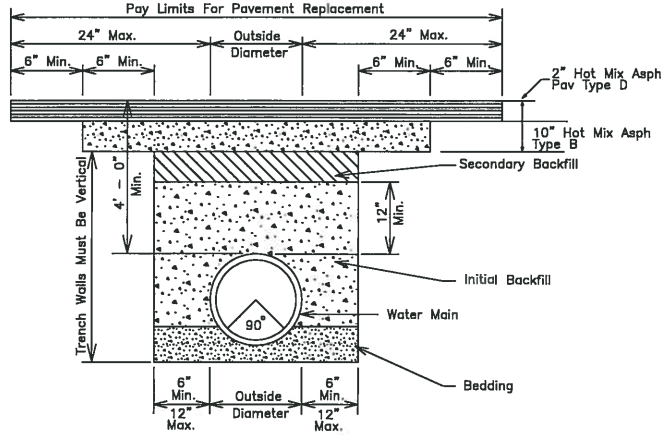
CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/ EQUIPMENT CONSULTANT, IF ANY SHALL REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES. THE CONTRACTOR'S IMPLEMENTATION OF THE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLIES WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OF SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

"THE CONTRACTOR SHOULD CALL FOR LOCATES THROUGH THE "ONE CALL" UTILITY LOCATE SERVICE (1-800-344-8377) 48 HOURS PRIOR TO CONSTRUCTION/EXCAVATION WORK, CONTRACTORS HAVE THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION".

THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ITS ORIGINAL, OR BETTER CONDITION ANY DAMAGE DONE TO EXISTING CURBS, SIDEWALK, OR DRIVEWAYS.

SURFACE RESTORATION RELATED TO SAWS WORK SHALL BE (NSPI) PER SPECIFICATION 804 UNLESS OTHERWISE NOTED.

EXISTING AND PROPOSED WATER LINES ARE LOCATED WITHIN THE IRRIGATED LANDSCAPED AREAS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO RELOCATE ALL IRRIGATION LINES, VALVES, CONTROLLERS AND SPRINKLER HEADS AS REQUIRED FOR CONSTRUCTION OF NEW WATER LINE, SERVICES AND FIRE HYDRANTS. THE CONTRACTOR SHALL ALSO REPAIR ALL IRRIGATION SYSTEM ITEMS DAMAGED DURING CONSTRUCTION. THE CONTRACTOR SHALL USE A LICENSED IRRIGATOR TO RELOCATE THE EXISTING IRRIGATION SYSTEM (NSPI).



TYPICAL DETAIL ②
TYPICAL PAVEMENT REPLACEMENT
WITHIN NON-MILL & OVERLAY

N.T.S.

ITEM	DESCRIPTION	UNIT	QUANTITY
100	Mobilization	LS	1
101	Preparation of Right-of-Way	LS	1
205.4	HMAC Type "D" (2" Comp. Depth)	SY	69
206.1	10" Asphalt Treated Base	SY	56
413	Flowable Fill	CY	53
511.3(COSA)	Replac. w/ Hot Mix Asph. Conc. Pymt Type B (12")	SY	1802
550	Trench Excavation Safety Protection	LF	4705
614	8" Ductile Iron Pipe	LF	130
818	8" PVC Waterline	LF	3745
818	12" PVC Waterline	LF	300
818	16" PVC Waterline	LF	330
818	24" PVC Waterline	LF	30
824	Relay 3/4" Short Service	EA	1
824	Relay 3/4" Long Service	EA	2
824	Relay 1" Short Service	EA	4
824	Relay 1" Long Service	EA	2
824	Relay 1 1/2" Short Service	EA	3
824	Relay 2" Long Service	EA	1
824	Relay 2" Short Service	EA	4
824	Relay 4" Long Service	EA	1
824	Relay 4" Short Service	EA	4
824	Relay 6" Short Service	EA	1
824	Relay 8" Fire Line	EA	5
824.5	Customer Shut-off Valve	EA	16
828	8" Gate Valves	EA	12
828	12" Gate Valves	EA	4
828	16" Gate Valves	EA	2
833	Existing Meter and New Meter Box Relocation	EA	10
834.1	Fire Hydrant	EA	8
834.3	Relocate Fire Hydrant	EA	1
836	Pipe Fittings, all sizes and types	TON	22
840	8" Water tie-ins	EA	5
840	12" Water tie-ins	EA	4
840	16" Water tie-ins	EA	8
840	24" Water tie-ins	EA	2
841	Hydrostatic Testing	EA	8
844	2" Blowoff, Temporary	EA	12
844	4" Blowoff, Temporary	EA	1
856.2	8" Carrier Pipe (Open Cut)	LF	100
856.2	12" Carrier Pipe (Open Cut)	LF	40
856.3	Casing 24"	LF	140
3000	Removal, Transport, and Disposal of AC Pipe	LF	1432



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CARL BAIN
P.E. 56996 ON
2/3/2015

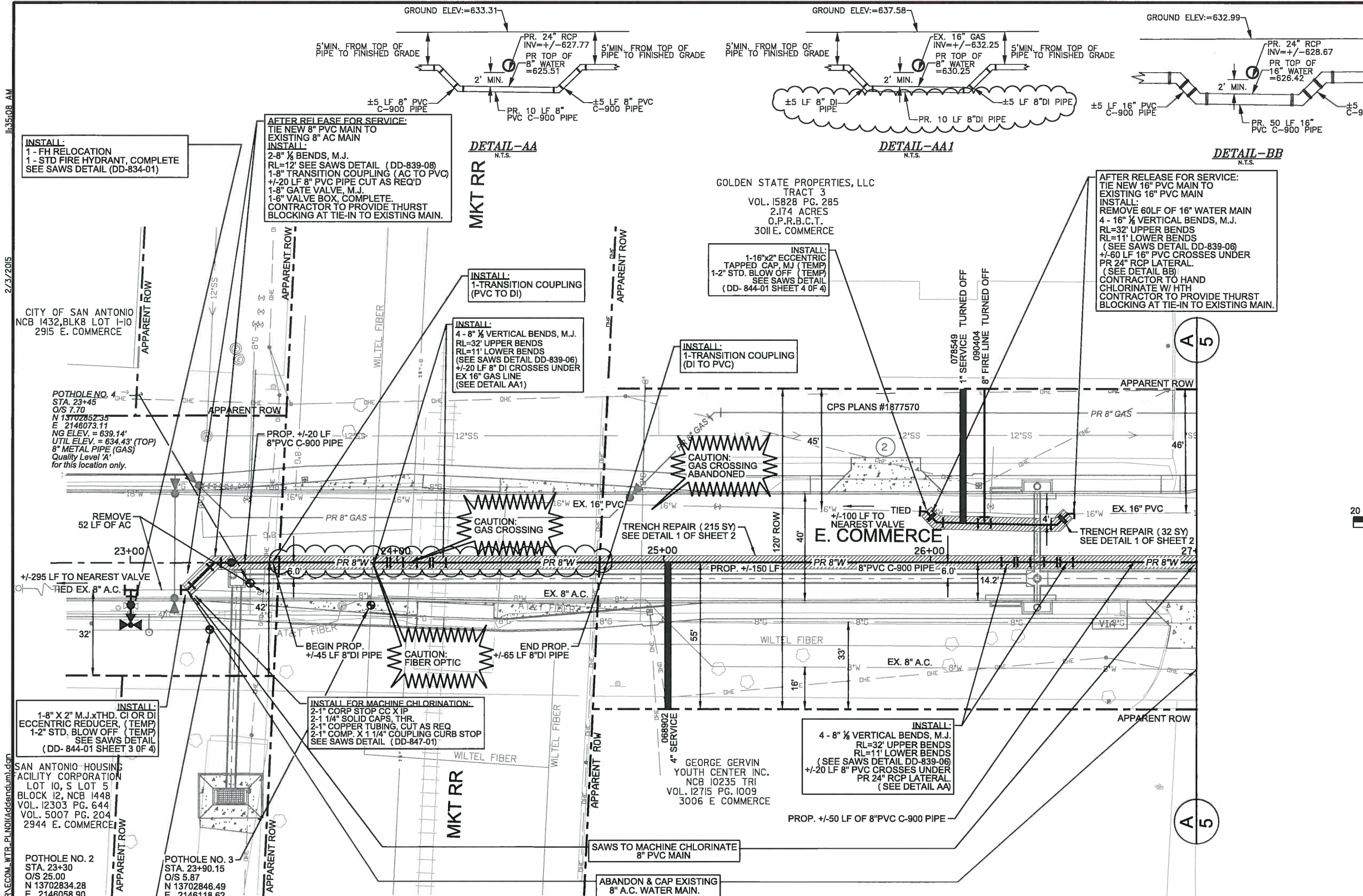
Carl Bain

1	2-3-15	ADDENDUM 3: ADDED 8"DI & REVISED 8"PVC QUANTITY	BMB
REV	DATE	DESCRIPTION	BY
		BAIN MEDINA BAIN, INC. ENGINEERS & SURVEYORS TYPE F-001712 7073 San Pedro, San Antonio, Texas, 78216 Phone: 210-494-7223 Fax: 210-490-5120 WWW.BMBI.COM	
		E COMMERCE FROM RIO GRANDE TO E HOUSTON GENERAL NOTES & QUANTITIES	
DEVELOPER:		BUDGET PROJ.	
CONT.			
SUBMITTED			
APPROVED			
MAP No.		SHEET	
SECT. No.		2	
DR. MC		OF 16	
CK. CC/CB		FINAL DESIGN	
JOB No.		12-5089	

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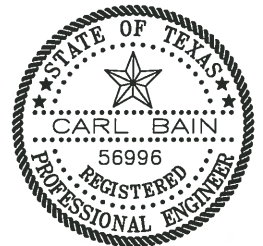
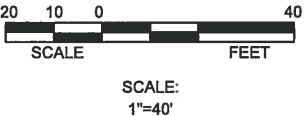
2/3/2015

W:\Work\G-1348 COSA - East - Commerce\SAWS WATER\COM-WTR-PLAN\addendum1.dgn



ITEM	DESCRIPTION	UNIT	QUANT.
511.3(COSA)	Replac. w/ Hot Mix Asph. Conc. Pmnt Type B (12")	SY	247
550	Trench Excavation Safety Protection	LF	450
814	8" Ductile Iron Pipe	LF	130
814	8" PVC Waterline	LF	280
819	16" PVC Waterline	LF	60
824	Relay 1" Long Service	EA	1
824	Relay 4" Long Service	EA	1
824	Relay 8" Fire Line	EA	1
824.5	Customer Shut-off Valve	EA	1
828	8" Gate Valves	EA	1
833	Existing Meter and New Meter Box Relocation	EA	1
834.1	Fire Hydrant	EA	1
834.3	Relocate Fire Hydrant	EA	1
836	Pipe Fittings, all sizes and types	TON	2
840	8" Water tie-ins	EA	1
840	16" Water tie-ins	EA	2
841	Hydrostatic Testing	EA	2
844	2" Blowoff, Temporary	EA	2
3000	Removal, Transport, and Disposal of AC Pipe	LF	52

LEGEND	
EXISTING FIRE HYDRANT	
EXISTING POWER POLE	
EXISTING WATER VALVE	
EXISTING SEWER MANHOLE	
EXISTING SEWER CLEAN-OUT	
TRAFFIC SIGNAL BOX	
PROP. FLOW ARROW	
EXISTING FLOW ARROW	
EXISTING WATER METER	
STEEL CASING	
CONCRETE	
CUT & REPLACE PAVEMENT/TRENCH REPAIR	
PROP. SEWER MAIN	
PROP. SEWER MANHOLE	
PROP. WATER MAIN	
EXIST. WATER MAIN	
EX. GAS MAIN	
EX. SANITARY SEWER	
STORM SEWER	
UTILITY POLE LINE	
OVERHEAD ELEC. CABLE	
UNDERGROUND TEL. CABLE	
NEW UNMETERED SERVICE:	
3/4" SINGLE	
1" DUAL	
SERVICE RECONNECT:	
3/4"	
1" OR LARGER	
SERVICE RELAY:	
3/4"	
1" OR LARGER	
SERVICE RELOCATE:	
3/4"	
1" OR LARGER	
RELOCATE METER	
NEW SERVICE:	
3/4"	
1" OR LARGER	
CAUTION GAS CROSSING	
CONSTRUCTION LIMITS	



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CARL BAIN
P.E. 56996 ON
2/3/2015
Carl Bain

PROP 8" WATERLINE "A"

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NOTE:
CPS ENERGY NOTE:
CALL THE TEXAS STATE WIDE ONE CALL LOCATOR NUMBER 1-800-344-8377, 48 HOURS BEFORE BEGINNING ANY EXCAVATION. DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.101, CPS ENERGY MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA. THE PROJECT MUST BE GAS LEAK SURVEYED PRIOR TO THE FINAL OVERLAY. ALLOW 10 WORKING DAYS FOR THE LEAK SURVEY AND ALLOW AN ADDITIONAL 10 WORKING DAYS FOR VALVE ADJUSTMENTS. THE CONTRACTOR MUST COORDINATE THE SURVEY AND THE ADJUSTMENTS THROUGH THE PROJECT INSPECTOR. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING CPS ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREAS.

ASBESTOS CEMENT PIPE CONNECTIONS & REMOVAL NOTE:
ASBESTOS CEMENT (A.C.) PIPE, ALSO KNOWN AS TRANSITE PIPE AND WHICH IS KNOWN TO CONTAIN ASBESTOS CONTAINING MATERIAL (ACM), IS LOCATED WITHIN THE PROJECT LIMITS. SPECIAL WASTE MANAGEMENT PROCEDURES AND HEALTH AND SAFETY REQUIREMENTS WILL BE APPLICABLE WHEN REMOVAL AND/OR DISTURBANCE OF THIS PIPE OCCURS. PAYMENT FOR SUCH WORK IS TO BE MADE UNDER SPECIAL SPECIFICATION ITEM NO. 3000, 'SPECIAL SPECIFICATION FOR HANDLING ASBESTOS CEMENT PIPE'.

- NOTES:
- CONTRACTOR TO FIELD VERIFY THE DEPTH OF GAS MAINS BEFORE BEGINNING OF CONSTRUCTION.
 - THERE ARE SEVERAL LOCATIONS WHERE THE PROPOSED WATER LINE MIGHT/WILL TIE INTO AN EXISTING AC PIPE. WHEN PERFORMING THIS WORK, THE CONTRACTOR SHALL OBSERVE AND COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS, ORDINANCES AND REGULATIONS REGARDING THE MANAGEMENT OF ASBESTOS CONTAINING MATERIALS. AT THE MINIMUM, WORK INVOLVING AC PIPE SHOULD BE OVERSEEN BY A PERSON WHO HAS RECEIVED ASBESTOS TRAINING AND IS FAMILIAR WITH THE NATIONAL EMISSIONS STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP). IF GREATER THAN 260 LINEAR FEET OF PIPE IS TO BE REMOVED, WRITTEN NOTIFICATION TO THE TEXAS DEPARTMENT OF HEALTH (TDH) 10 DAYS PRIOR TO COMMENCING WITH THE REMOVAL OF AC PIPE IS REQUIRED AT EACH LOCATION SHOWN IN THE PLANS AND/OR IDENTIFIED BY THE CONTRACTOR TO INVOLVE AC PIPE. THE CONTRACTOR WILL BE REQUIRED TO REMOVE THE NECESSARY AMOUNT OF AC PIPE TO MAKE THE CONNECTION WITHOUT CREATING ANY FRABLE MATERIAL.
 - CONTRACTOR SHALL RESTRAIN ALL PROPOSED PIPES, VALVES AND FITTINGS AT NO ADDITIONAL COST (RL=RESTRAINT LENGTH)
 - ALL PROPOSED STREET AND DRAINAGE INFORMATION SHOWN ON PLANS IS FOR INFORMATIONAL PURPOSES ONLY. SEE COSA PLANS FOR DETAILED DESIGN DATA.
 - RL= RESTRAINING LENGTH.

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1	2-3-15	ADDENDUM 3: ADDED 8"DI & REVISED 8"PVC QUANTITY	BMB
REV	DATE	DESCRIPTION	BY
BAIN MEDINA BAIN, INC. ENGINEERS & SURVEYORS TYPE P-0012 7073 San Pedro, San Antonio, Texas, 78216 Phone: 210-494-7223 Fax: 210-490-5120 WWW.BMBI.COM			
E COMMERCE FROM RIO GRANDE TO E HOUSTON PROP. 8" WATER PLAN WATERLINE "A"			
DEVELOPER:			
CONT.		BUDGET PROJ.	
SUBMITTED			
APPROVED			
MAP No.		SHEET	
SECT. No.		4	
DR. MC		OF 16	
CK. CC/CB		FINAL DESIGN	
JOB No.		12-5089	

GENERAL SEWER NOTES

1. All materials and construction procedures within the scope of this contract shall be approved by the San Antonio Water System (SAWS) and comply with the Plans, Specifications, General Conditions and with the following as applicable:

- A. Current Texas Commission on Environmental Quality (TCEQ) "Design Criteria for Domestic Wastewater System", Texas Administrative Code (TAC) Title 30 Part 1 Chapter 217 and "Public Drinking Water", TAC Title 30 Part 1 Chapter 290.
B. Current Texas Department of Transportation (TXDOT) "Standard Specifications for Construction of Highways, Streets and Drainage."
C. Current San Antonio Water System "Standard Specifications for Water and Sanitary Sewer Construction."

See SAWS website for current information (www.saws.org).
D. Current City of San Antonio "Standard Specifications for Public Works Construction."
E. Current City of San Antonio "Utility Excavation Criteria Manual"

2. The Contractor is to make arrangements with the SAWS Construction Inspection Division at 233-3500 and provide notification procedures the contractor will use to notify affected home residents and/or property owners 48 hours prior to excavation.

3. The Contractor shall verify the exact location of underground utilities and drainage structures at least 48 hours prior to construction whether shown on plans or not. The following contact information are supplied for verification purposes:

Utility Locate:
SAWS Utility Locates: 233-2009
SAWS Production Control Center: 233-2016
COSA Drainage: 207-8048
COSA Traffic Signal Operations: 207-7720
Texas State Wide One Call Locator: 1-800-545-6005 or 811

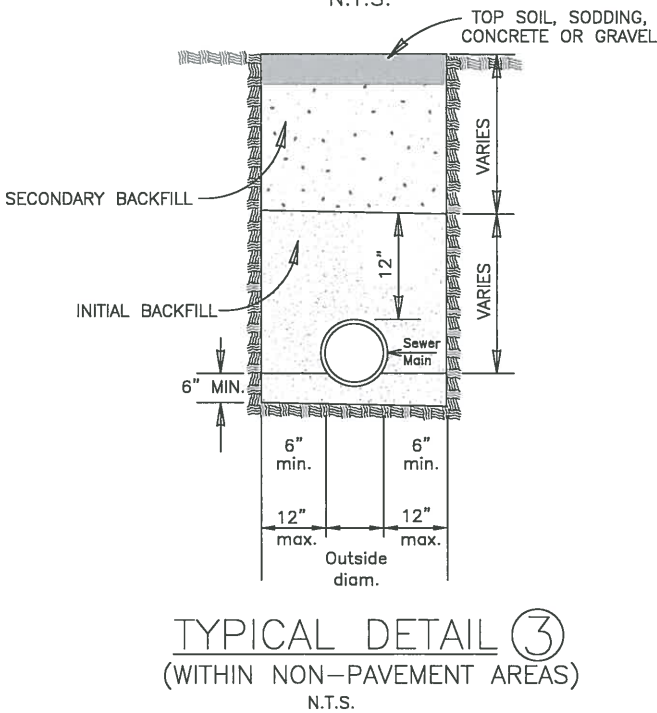
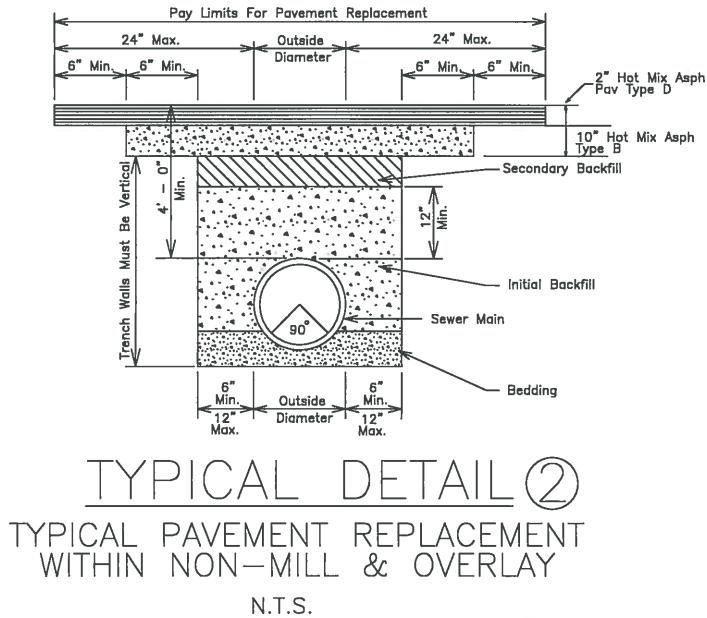
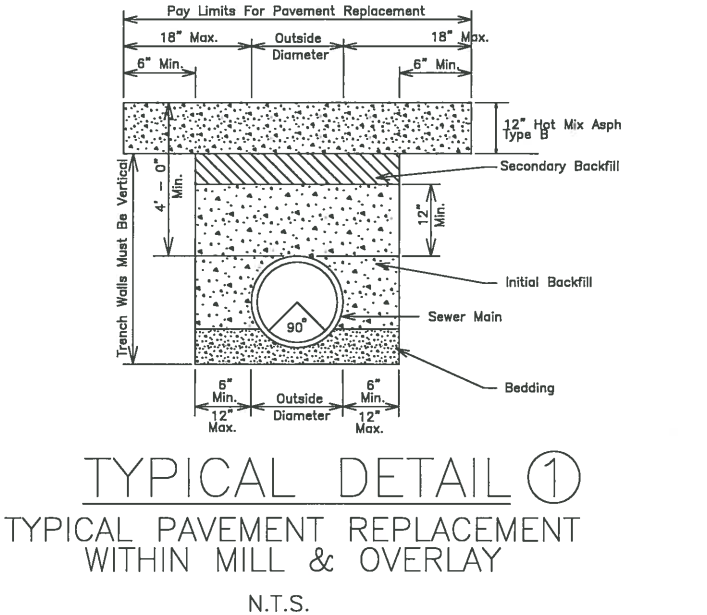
4. The Contractor is responsible to ensure that no overflows or spillage of sewage occurs. Should this occur, the Contractor shall:

- A. Identify the source of the spill and attempt to eliminate any additional spillage. Notify SAWS Construction Inspections Division at 233-3500.
B. Contain the spill in place and prevent contamination of streams.
C. Clean up the spill and dispose of contaminated materials.
D. Disinfect the area of the spill with a mixture of HTH chlorine and water.
E. Identify and train personnel responsible for spillage prevention and control.
No separate measurement or payment shall be made for this work. All work shall be done according to guidelines set by the TCEQ and the SAWS.

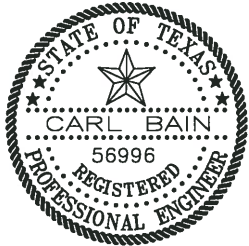
5. The Contractor shall comply with City or other governing Municipality's tree ordinances when excavating near trees.
6. The Contractor shall not place any waste materials or spoils in the 100-year Flood Plain without first obtaining an approved Flood Plain Permit.
7. Service Lateral Connections:
A. The exact location and elevation of the service laterals and manholes shall be field verified by the Contractor. No separate pay item (NSPI).
B. A minimum of 3 feet of cover is to be maintained over the sanitary sewer laterals at subgrade.
C. All sewer lateral services for future connections as identified on the plans shall have a one way clean-out, capped and sealed.
D. The Contractor shall be responsible for maintaining continuous service during construction of the sewer work. (NSPI).
E. Laterals shall be constructed to serve all existing houses and platted vacant lots.
8. Contractor shall coordinate with SAWS Construction Inspection Division at 2333500 and/or SAWS Lift Stations Operations at least two weeks in advance of the shutdown of existing force mains of any size. The Contractor must also provide a sequence of work as related to the shutdown including any bypass pumping or pump and haul as required by SAWS. Pump and Haul will not be allowed over the Edwards Aquifer Recharge Zone.
9. Sewer lines located within or crossing the 5-year flood plain of a drainage way will be protected from inundation and stream velocities which could cause erosion and scouring of backfill. The trench must be capped with concrete to prevent scouring of backfill. The trench must be encased in concrete. All concrete shall have a minimum thickness of six inches.
10. Where water lines and new sewer lines are installed with a separation distance of less than nine feet (i.e., water lines crossing wastewater lines, water lines paralleling wastewater lines, or water lines next to manholes) the installation must meet the requirements of 30 TAC 217.53(d) (Pipe Design) and 30 TAC 290.44(e) (Water Distribution).
11. Any work completed without prior written authorization which is not included in these plans and specifications will not be compensated by the San Antonio Water System.
12. The Contractor shall provide bypass pumping of sewage around each segment of pipe to be replaced, in accordance with SAWS Standard Specifications for Water and Sanitary Sewer Construction Item No. 864, "Bypass Pumping". Payment for such work will be made under the bid item "Sanitary Sewer (Bypass Pumping)" as per Standard Specifications for Water and Sanitary Sewer Construction Item No. 864, "Bypass Pumping". The Contractor shall provide in writing a sequence of bypass pumping for review and approval by the Inspections department. Refer to the construction plans for the construction phasing and diversion requirements. The Contractor shall also provide a detailed sketch showing the location of bypass pumping equipment for each line segment(s) around which flows are being bypassed, along with the specification of pumping equipment, type, size, capacity and amount of pumps required to handle the peak wet weather flow.
13. For SAWS construction details go to (www.saws.org).

NOTES:

SURFACE RESTORATION RELATED TO SAWS WORK SHALL BE (NSPI) PER SPECIFICATION 804 UNLESS OTHERWISE NOTED.
EXISTING AND PROPOSED SEWER LINES ARE LOCATED WITHIN THE IRRIGATED LANDSCAPED AREAS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO RELOCATE ALL IRRIGATION LINES, VALVES, CONTROLLERS AND SPRINKLER HEADS AS REQUIRED FOR CONSTRUCTION OF NEW SEWER LINE, LATERALS AND CLEAN OUTS. THE CONTRACTOR SHALL ALSO REPAIR ALL IRRIGATION SYSTEM ITEMS DAMAGED DURING CONSTRUCTION. THE CONTRACTOR SHALL USE A LICENSED IRRIGATOR TO RELOCATE THE EXISTING IRRIGATION SYSTEM (NSPI).





ITEM	DESCRIPTION	UNIT	QUANTITY
100	Mobilization	LS	1
101	Preparation of Right-of-Way	LS	1
103.3(COSA)	Remove Concrete Sidewalks & Driveways	SF	831
205.4	HMAC Type "D" (2" Comp. Depth)	SY	589
206.1	10" Asphalt Treated Base	SY	473
208.1(COSA)	Salvaging, hauling & stockpiling R.A.P. (2 inch Mill)	SY	760
209.1(COSA)	Concrete Pavement (10" Deep)(Bus Pad)	SY	7
413	Flowable Fill	CY	902
503.1(COSA)	Portland Cement Concrete Driveways	SY	23
511.3(COSA)	Replac. w/ Hot Mix Asph. Conc. Pvmt Type B (12")	SY	1402
550	Trench Excavation Safety Protection	LF	4485
848	8" PVC Sanitary Sewer Line. (0'-6')	LF	120
848	8" PVC Sanitary Sewer Line. (6'-10')	LF	512
848	8" PVC Sanitary Sewer Line. (10'-14')	LF	331
848	12" PVC Sanitary Sewer Line. (0'-6')	LF	172
848	12" PVC Sanitary Sewer Line. (6'-10')	LF	50
848	12" PVC Sanitary Sewer Line. (10'-14')	LF	1350
848	12" PVC Sanitary Sewer Line. (14'-18')	LF	1560
848	12" PVC Sanitary Sewer Line. (18'-22')	LF	390
852.1	Sanitary Sewer Manhole (0' - 6')	EA	18
852.2	Sanitary Sewer Drop Manhole (0' - 6')	EA	3
852.3	Extra Depth Manholes (> 6')	VF	147
852.4	Dog House Manhole (6')	EA	1
854	Sanitary Sewer Laterals	LF	1550
854.1	Two-Way Sanitary Sewer Clean-out	EA	25
856.1	Jacking, Boring, or Tunneling 24"	LF	40
856.2	8" Carrier Pipe for Jacking, Boring, Tunneling	LF	40
856.3	Casing 24"	LF	40
858	Concrete Encasement, Cradles, Saddles and Collars	CY	60
864	Bypass Pumping	LS	1
866	Sewer Main Pre-Televising & Cleaning (8"-15")	LF	4544
866	Sewer Main Television Inspection (8" - 15")	LF	4544



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CARL BAIN
P.E. 56996 ON
2/3/2015

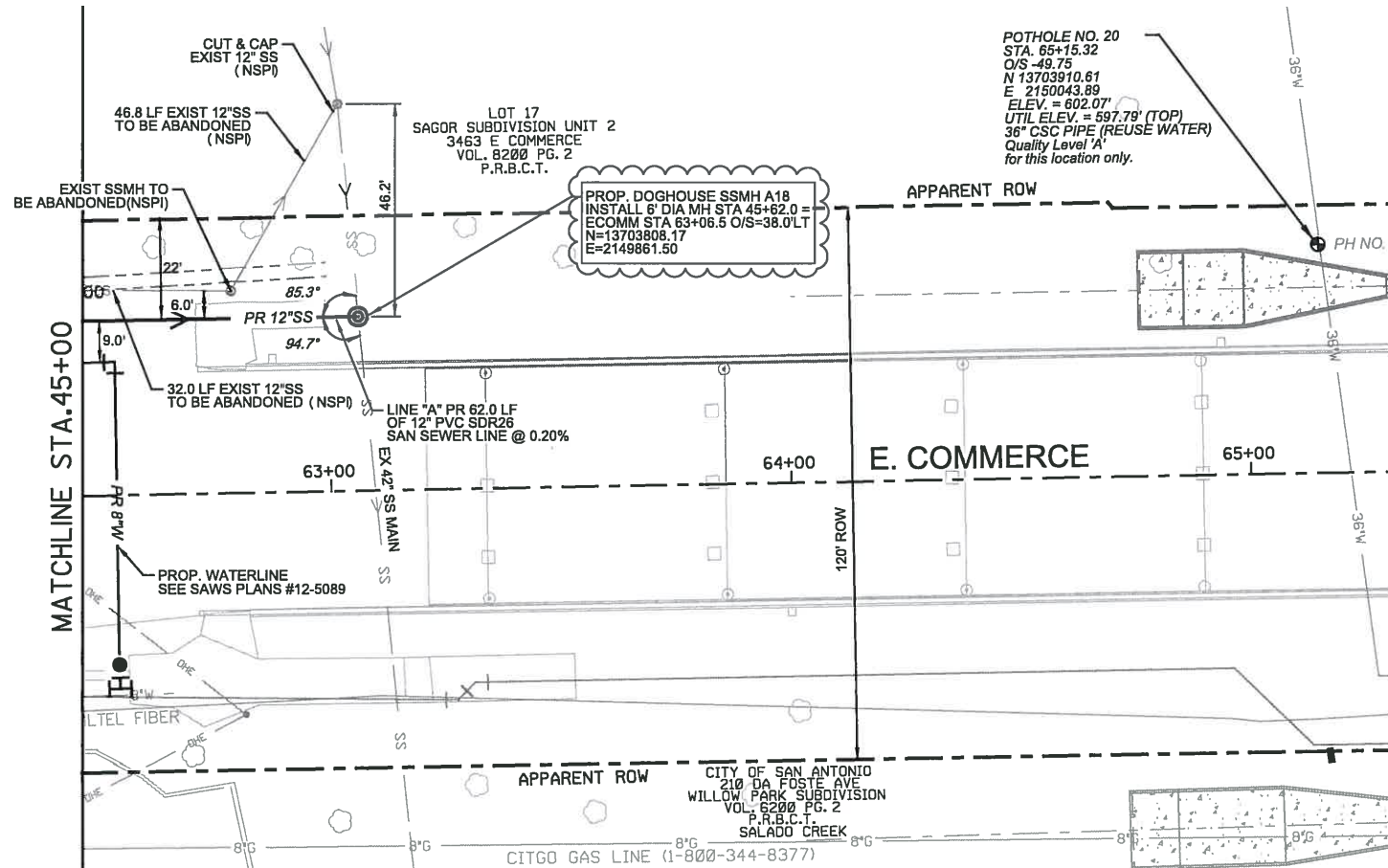
Carl B. P.E.

1	2-3-15	ADDENDUM 3: REVISED DESCRIPTION TO DOG HOUSE MANHOLE (6')			BMB
REV	DATE	DESCRIPTION			BY
		BAIN MEDINA BAIN, INC. ENGINEERS & SURVEYORS TYPE F-001712 7073 San Pedro, San Antonio, Texas, 78216 Phone: 210-494-7223 Fax: 210-490-5120 WWW.BMBI.COM			
		E COMMERCE FROM RIO GRANDE TO E HOUSTON GENERAL NOTES & QUANTITIES			
DEVELOPER:					
CONT.		BUDGET PROJ.			
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APPROVED _____					
MAP No.					SHEET
SECT. No.		FINAL DESIGN			2
DR. MC	CK. CC/CB	JOB No.		12-5589	OF 16

11:32:43 AM

2/3/2015

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SANITARY SEWER LINE "A"

STA 45+00 TO END



SCALE:
HORIZ 1"=40'
VERT 1"=10'

AT&T NOTE:
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NOTES:
CPS ENERGY NOTE:
CALL THE TEXAS STATE WIDE ONE CALL LOCATOR NUMBER 1-800-344-8377, 48 HOURS BEFORE BEGINNING ANY EXCAVATION. DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.101, CPS ENERGY MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA. THE PROJECT MUST BE GAS LEAK SURVEYED PRIOR TO THE FINAL OVERLAY. ALLOW 10 WORKING DAYS FOR THE LEAK SURVEY AND ALLOW AN ADDITIONAL 10 WORKING DAYS FOR VALVE ADJUSTMENTS. THE CONTRACTOR MUST COORDINATE THE SURVEY AND THE ADJUSTMENTS THROUGH THE PROJECT INSPECTOR. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING CPS ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREAS.

- NOTES:
- CONTRACTOR TO FIELD VERIFY THE DEPTH OF GAS MAINS BEFORE BEGINNING OF CONSTRUCTION.
 - ALL PROPOSED STREET AND DRAINAGE INFORMATION SHOWN ON PLANS IS FOR INFORMATIONAL PURPOSES ONLY. SEE COSA PLANS FOR DETAILED DESIGN DATA.
 - CONTRACTOR TO VERIFY EXISTING TIE-IN ELEVATIONS BEFORE STARTING CONSTRUCTION.
 - ALL DISTURBED AREAS SHALL BE HYDROMULCHED.
 - CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING GAS LINES BEFORE STARTING CONSTRUCTION OF SEWER LINE.
 - ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ALLOWANCES AND ADJUSTMENTS FOR THE TOP OF MANHOLES TO MATCH THE FINISHED GRADE FOR THE STREET IMPROVEMENTS (NSPD).
 - POWER POLES ARE TO BE BRACED IF NECESSARY, CONTRACTOR TO COORDINATE WITH CPS BEFORE START OF EXCAVATION. (NSPD)
 - SANITARY SEWER LATERAL LOCATIONS WERE BASED ON SAWS BLOCK MAPS. CONTRACTOR SHALL LOCATE EXISTING SANITARY SEWER LATERALS BEFORE STARTING CONSTRUCTION.

ITEM	DESCRIPTION	UNIT	QUANT.
550	Trench Excavation Safety Protection	LF	62
848	12" PVC Sanitary Sewer Line (0'-6")	LF	12
848	12" PVC Sanitary Sewer Line (6'-10")	LF	20
848	12" PVC Sanitary Sewer Line (10'-14")	LF	30
852.3	Extra Depth Manholes (0'-6")	VF	1
852.4	Dog House Manhole (6")	EA	1
866	Sewer Main Pre-Inspection & Cleaning (8"-15")	LF	62
866	Sewer Main Television Inspection (8"-15")	LF	62

LEGEND

EXISTING WATER METER	
EXISTING FIRE HYDRANT	
EXISTING POWER POLE	
EXISTING WATER VALVE	
EXISTING MAIL BOX	
EXISTING FLOW ARROW	
PROP WATER MAIN	
EXIST WATER MAIN	
PROP SANITARY SEWER	
EXIST SANITARY SEWER	
PROPOSED SEWER MANHOLE	
EXIST SEWER MANHOLE	
PROPOSED SEWER LATERAL AND CLEAN-OUT	
GAS MAIN	
OVERHEAD ELECTRIC	
UNDERGROUND ELECTRIC	
UNDERGROUND TELEPHONE	
PROPOSED FLOW ARROWS	
TREE	
SIGN	
GUY ANCHOR	
BENCHMARK	
CONTROL POINT	
STEEL CASING	
MILL & OVERLAY	
CONCRETE	
CUT & REPLACE PAVEMENT/TRENCH REPAIR	
CAUTION GAS CROSSING	



The seal appearing on this document was authorized by
CARL BAIN
P.E. 56996 ON
2/3/2015

1	2-3-15	ADDENDUM 3: REVISED DESCRIPTION TO DOG HOUSE MANHOLE (6")	BMB
REV	DATE	DESCRIPTION	BY

BAIN MEDINA BAIN, INC.
ENGINEERS & SURVEYORS
TYPE F-001712
7073 San Pedro, San Antonio, Texas, 78216
Phone: 210-494-7223 Fax: 210-490-5120 WWW.BMBI.COM

STA 45+00
E COMMERCE
FROM RIO GRANDE TO E HOUSTON
SANITARY SEWER
LINE "A" P&P

DEVELOPER:	BUDGET PROJ.
CONT.	

SUBMITTED	
APPROVED	

MAP No.		SECT. No.		FINAL DESIGN		SHEET	
DR. MC	CK. CC/CB	JOB No.	12-5589			13	OF 16

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